THE MINING JOURNAL.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

To. 1661.—Vol. XXXVII.

LONDON, SATURDAY, JUNE 22, 1867.

(SUPPLEMENT) STAMPED ... SIXPENCE.

R. JAMES CROFTS, STOCK AND SHAREBROKER, No. 1, FINCH LANE, CORNHILL.

(Established 24 years.)

DENS of mining shares DIPFIGULT OF SALE in the OPEN MARKET may broken for the same through Mr. CROFTS' agency. Also parties requiring flow to act in the DISPOSAL OF ARANDONMENT of doubtful mining may profitably avail of Mr. CROFTS' long experience on the market in all for doubt or difficulty, legal or otherwise.

SEC OF WALES is getting beyond the region of comment, and resolving not facts. The shares can only advance from their present improved fess, 70s., and a further rise may be sudden and rapid. Mr. CROFTS betantial reasons for enunciating the above, and is a BUYER of shares for ation by telegram.

of 68s, 70s, and 1s a BUYER of shares for stion by telegram.

stion by telegram.

stion by telegram.

The last sale was only at the rate of £8 per ton—another item of progress mine beyond all anticipations. The profit on this sale is £800 for a month, he rate of £9600 per annum for dividends on 12,800 shares.

BY OFFER Wanted for a few shares in WEST OF ENGLAND BREWERY COM-Limited), £10 per share paid.

APITALISTS may hear of an INVESTMENT to pay upwards of One Hundred t. per annum, by applying to Mr. CROFTS.

Bankers: National Bank of Scotland, Finch-lane.

Bankers: National Bank of Sectional, Finest-lane.

I L L I A M L A N E (SUCCESSOR TO JAMES LANE),
44. THREADNEEDLE STREET, LONDON, E.C., STOCK AND
BES!—

28. 20 East Lovell, £8.
20 East Lovell, £8.
21 East Russell, £2½.
22 East Russell, £2½.
23 Ontales, Royalty 10 Frontino (call paid),
harcs (£5 paid),
24 prem.
25 Gt. No. Laxoy, 19s.
26 Gt. No. Lowns, £3%.
26 Herodsfoot, £36.
27 West Maria and \$50 rtseeue, 15s. 6d.
28 Walls, 11s.
28 Office Source, £36.
29 Vudanamutana, £65

LELEAN, ENGLISH AND FOREIGN STOCK AND SHAREDEALER,
11, ROYAL EXCHANGE, LONDON, E.C.
Bankers: Bobarts, Lubbock, and Co., Lombard-street.

IDE TO INVESTORS.— MR. LELEAN'S STOCK, SHARE, AND FINANCE REGISTER for June, contains the eleventh of a series eless on Investments, with such information as is necessary to guide inguivestors, and a comparison of mines and other associated undertake channels of investments. 6d. per copy, or 5s. annually, post free, lished by Mr. Baken Lelban, at his offices, 11, Royal Exchange, Lordon.

. WILLIAM WA STOCK AND SHAREDEALER. No. 29, THREADNEEDLE STREET, LONDON, E.C. WAR B. JOHN BATTERS, STOCK AND MINING SHAREBROKER, 13, THROGMORTON STREET, LONDON, E.C.

SRS. McNEILL AND LONG, STOCK, SHARE, AND
MINING DEALERS,
31, THREADNEEDLE STREET, LONDON, E.C.

31, THREADNEEDLE STREET, LONDON, E.C.

E S S R S. W A R D A N D J A C K M A N, STOCK AND SHAREDEALERS, CUSHION COURT, OLD BROAD STREET, CITY, E.C. Closing Prices, Friday Evening, June 21.

Buyers. Sellers.

les ... (24 pd.) £ 45- £ 45- great North Downs £ 35- £ 35- great North Court Advances of the Court And Street An

Bankers: London and Westminster, Lothbury

THOMAS THOMPSON, MINING OFFICES

SSRS. WILSON, WARD, AND CO., STOCK AND SHAREDBALERS,
16, UNION COURT, OLD BROAD STREET, LONDON, E.C. //

SSRS, POWELL AND MOSS, SHAREDEALERS
78, OLD BROAD STREET, LONDON, E.C.
Members of the Mining Exchange.
Bankers: Bank of England.

Bankers: Bank of England.

JAMES HUME, 74, OLD BROAD STREET, MEMBER OF THE MINING EXCHANGE, LONDON.

acts buying and selling orders at nett prices, equivalent to 1½ per cent. Closing prices.

Brasilian 2 1 ± 1½

South Condurrow 2 ½ ½ ½ ½

Grenville 12½ 13½

Grenville 12½ 13½

Grenville 13½ 13½

HUME's "Gircular" for June, now ready, price 6d., or 5s. per annum, pensable to shose who wish to investigate or speculate.

So of Wales.—Mr. HuME recommended these shares as a good specula-6s, twelve months ago. He is now procuring for shareholders dividends emarket of 6d. to 1s. per share every fortingly, and will continue doing it the present market lasts. Distant holders may receive the same above communicating with Mr. HuME.

LUKE is now making investments for his clients in three mines likely to foundiderably.—Bankers: The London Joint Stock Bank.

WILLIAM MARL BOROUGH 1 GREAT ST. HELEN'S

WILLIAM MARLBOROUGH, 1, GREAT ST. HELEN'S, BISHOPSGATE STREET, LONDON, E.C. (Established 12 years), has

SHOPSGATE STREET, LONDON, E.C. (R LE the FOLLOWING SHARES, at nett priord, £83%. ### SHOPSGATE STREET, LONDON, E.C. (R ### SHOPSG isstanished 12 years), has does:—
10 Chiverton, £7. 1s. 3d. 40 Drake Walls, 11s. 3d. 25 Caldbeck Fells, 12s. 6d. 15 East Russell, £29.6. 30 Chontales, 13s. 9d pm. 50 W. Pr. of Wales, 12s. 6d. 25 No. Treskerby, 12s. 6d. 30 West Marla, 15s. 7. 100 Bottle Hill, 5s. 100 Lady Bertha, 2s, 50 Rossa Grande, 11s. 3d. 25 Wheal Uny, 22s. 6d. 4 Mary Ann, £15%. 1 Wheal Seton, £117.

GEORGE BUDGE, STOCK AND SHAREDEALER, GEORGE BUDGE, STOCK AND SHAREDEALER, 0.4. ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established kase FOR SALE at nett prices:—50 Yudanamutan, 26s.; 100 Worthing; (exican, 22½; 50 Don Pedro; 70 Angio-Brazilian; 50 Pestarena; 120 lilp; 40 Prince of Wales, 68s.; 100 West Prince of Wales, 11s. 6d.; 50 lile; 40 Prince of Wales, 68s.; 100 West Prince of Wales, 11s. 6d.; 50 lile, 27s. 50 East Growtille, 23%; 100 Redmoor, 4s. 9d.; 120 Dule; 25.; 11ty, 19s. 6d.; 70 Rosa Grande; 100 West St. Ives,; 60 Crelake, 19s. 6d.; 700, 10s.; 40 Drake Walls, 12s. 6d.; 10 Chiverton Moor, 25%; 50 Caman, 18s.; 5 East Caradon; 50 South Condurrow, 14s. 6d.; 25 Wheal and, 18s.; 50 East Seton, 7s. 6d.; 45 Great South Tolgus, 10s.; are United, 6s.; 100 Lady Bertha, 50 Okel Tor; 50 Pendeen, 17s. 6d.; 7s. 6d.; 20 Wheal Buller, West Basset, 16s.; 130 Graphy Park, 2s. 9d.; 35 North Retallack, 3s. 6d.

DETER WATSON'S "WEEKLY MINING CIRCULAR AND

PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST—SYNOPSIS OF CORNISH AND DEVON MINES," of Friday, June 21, No. 429, Vol. IX., price 6d. each copy, forwarded on application, contains information on the following mines:—Great Wheal Vor. North Wheal Crofty.

Clifford Amalgamated.

North Wheal Criverton.

West Caradon.

Prince of Wales.

North Wheal Criverton.

Trumpet Consols.

West Wheal Kitty.

Frontino and Bolivia.

Special Leading Articles on Great Wheal Vor, Clifford, Prince of Wales, &c.; and a Special Report by his inspecting agent this week on Chiverton Moor.

In next week's number Special Reports on West Creat Wheal Control of Wales, &c.; and other mines will appear.

STOCK AND SHAREDEALER.—MR. PETER WATSON,
ENGLISH and FOREIGN STOCK, SHARE, and MINING OFFICES, 79,
OLD BROAD STREET, LONDON, E.C.
Railway, Joint-Stock Banks, Dock, Insurance, Canal, Mining, Steam-ship, &c.,
and every other description of shares bought and sold at nett prices.
TELEGRAPHIC MESSAGES to BUY or SELL Railway, Bank, Mine, and
other shares and stocks, punctually attended to, at nett prices for cash, or for
fortnightly settlements, with advice as to purchases or sales.

Twenty-two years' experience.

(Two in Cornwall and Twenty in London.)
Bankers: The Alliance Bank, and the Union Bank of London. From the close proximity of his offices to the Stock Exchange, as well as the Mining Exchange, PETER WATSON is enabled to act with promptitude on all orders entrusted to him, which at all times are carried out with punotuality, and to the best advantage of his clients.

MR. EDWARD COOKE, STOCK AND SHAREDEALER, 76, OLD BROAD STREET, LONDON, E.C. Deals in Chontaies, Don Pedro North del Rey, Rossa Grande, Anglo-Brazilian, Frontino, Prince of Wales, Chiverton Moor, North Wheal Chiverton, West Wheal Kitty, and North Crofty, at close market prices nett.

Orders for all kinds of Stock Exchange securities, either by letter or telegraph, promptly attended to.

P.S.—An allotment of shares in the Taquaril Gold Mining Company can be secured through EDWARD COOKE by an early application.

Satisfactory references given in any town in the United Kingdom.

ed through EDWARD COOKE by an early application.
Satisfactory references given in any town in the United Kingdom.
Bankers: Alliance Bank.

MR. WILLIAM SEWARD, STOCK AND SHAREDEALER
19, THROGMORTON STREET, LONDON, E.C.

BARTLETT AND CHAPMAN, STOCK AND SHAREDEALERS, 2, BUCKLERSBURY, LONDON, E.C. SPECIAL BUSINESS, as BUYERS or SELLERS, at close nett prices, in the following shares:—

following shares:

West Chiverton. Lovell Consols. Chontales.

Great South Chiverton. East Grenville. North Treskerby.

Chiverton Moor. Great Laxey. East Lovell.

The INVESTMENT CIRCULAR AND FINANCIAL RECORD for MAY

tains valuable information as to the best investments of the day, which will

forwarded post free on application.

Cheques sent by post should be crossed London and Westminster Bank.

MR. T. ROSEWARNE, 81, OLD BROAD STREET, is a BUYER of the following shares for cash or time on :—
Cargoll. Prosper United. Bedford United. Bronfloyd. Clifford. Great Vor. Okel Tor. Grenville. Herodsfoot. Chiverton Moor. Chiverton Moor. Devo Consols.

Grenville.

Don Pedro.

Don Pedro.

Chiverton Moor.

Buller.

Devon Consols.

PRINCE OF WALES.—I am pleased to inform my friends that the ore is coming in again at the 45 east, now worth £10 per fathom. This looks to me to be a second shoot of ore; if so, the shares must double in price. It must be borned in mind that the cross-cut is driving to cut the north lode, and it is my opinion that, whenever it is intersected, it will be found productive, being so near the Cross-courses. See the sale of ore in the MINING JOURNAL for one month only. T. Rossewanne is a BUYER of any number of shares for cash at the full market prices, £3% to £3%.

BUYER of any number of Cliffords.

Money advanced on good mining securities.

Bankers: Bank of England.

MATTHEW GREENE, STOCK AND SHARE DEALER'
ST. MICHAEL'S HOUSE, CORNHILL, LONDON, E.C.
MATTHEW GREENE recommends the purchase of Rossa Grande, New Clifford, and Clifford Amalgamated.
MATTHEW GREENE has a large quantity of SULPHATE OF BARYTES
FOR SALE, at a cheap rate.
Bankers: Ransom and Co., London.

C EORGE RICE, STOCK AND SHAREDEALER, 78, OLD BROAD STREET, LONDON, E.C. (Member of the Mining Exchange), (25 years' experience), TRANSACTS BUSINESS in MINING SHARES, at close prices.

close prices.

SPECIAL BUSINESS in Chiverton Moor, East Lovell, Great Vor, North Crofty
West Chiverton, and Prince of Wales.

Money advanced on mining shares.

June 21, 1867.

Bankers: Bank of England.

M. R. EDWARD BREWIS again recommends two mines for a great rise in price, and equal to Don Pedro North del Rey, which have risen in five months from 18s. 6d. to £4½, and his clients can now secure their profits, if desirable. All business at close prices.

Bankers: National Bank, Old Broad-street, London.

8, Warnford-court, Bank, E.C., London.

JAMES SCOTT AND CO., STOCK AND SHAREDEALERS,
1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C.
All Stock Exchange securities dealt in at close market prices for cash or the
bi-monthly settlement. References given.

JAMES SCOTT and Co. have SPECIAL BUSINESS in East and West Caradon,
East Lovell, East Wheal Russell, North Crofty, Frank Mills, Drake Walls,
Prosper United, Prince of Wales, New Trelaway, Angle-Brazilian, Don Hoffo
North del Rey, Pestarens, Chontales, and Frontino and Bolivia shares.

MR. G. D. SANDY, STOCK AND SHAREDEALER, No. 48, THREADNEEDLE STREET, LONDON, E.C., TRANSACTS BUSINESS in EVERY DESCRIPTION of STOCK EXCHANGE SECURITIES MINING and FINANCIAL ENTERPRISES, at close market prices.

Correct Daily Price List may be had on application.

Money advanced to any amount on legitimate stocks and shares.

Mines carefully inspected and reported upon.

INVESTMENT, LOAN, AND BANK AGENCY
BANKERS—London and County Bank.
Established 1839.

CAPITALISTS will find this Agency a safe medium for the investment of money in First-class Securities to the best advantage. Notwithstanding the cheapness of money there are several good Railway Preference Stocks, Colonial Bonds, Foreign Stocks, and other equally eligible investments, which at present prices pay from 6 to 10 per cent. per annum.

Purchases and Sales of every description of Public Securities can be effected, ether for immediate or deferred settlement, as may be agreed upon.

Loans granted upon liberal terms, for one year or any shorter period, on Stocks and Shares having a market value.

Five per cent. Interest allowed upon Deposits of all amounts. The Agency of Public Companies, and Bank and Money Agency Business generally undertaken.

RICHARD TAYLOR AND COMPANY.

No. 12, Clement's-lane, Lombard-street, London, E.C.

M R. C H A R L E S T H O M A S, MINING AGENT, GENERAL SHAREDEALER, AND AUCTIONEER, 18, GREAT ST. HELEN'S, LONDON, E.C.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL, OLD BROAD STREET, LONDON, E.C.

MESSES. LANE AND GIBBS, 2, ROYAL EXCHANGE,
LONDON, E.C. (Members of the Mining Exchange), STOCK AND
SHAREDEALERS, AND FINANCIAL AGENTS, transact business in all kinds
of securities at closest net prices for cash or account.

Parties of respectability can have transfers registered in their names previous
to payment.

Balky price list on application.

Bankers: London and County Bank.

SAFE INVESTMENTS FOR CAPITAL, Paying 5 to 20 per cent. per annum upon the outlay.

SHAREHOLDERS, CAPITALISTS, TRUSTEES, AND INVESTORS seeking valuable and reliable information, and requiring safe, sound, and profitable investments, should at all times consult SHARP'S GENERAL INVESTMENT CIRCULAR (Post free).

It is a safe guide, giving every information to shareholders and capitalists. GRANVILLE SHARP, STOCK & SHAREDEALER, 32, POULTRY, LONDON.

MR. J. B. REYNOLDS, STOCK AND SHARE DEALER, 70 and 71, BISHOPSGATE STREET, WITHIN, is PREPARED to West Chiverton. Wheal Agar.
East Rosewarne. Chiverton Moor. Chortales. West St. Ives. West St. Ives. West Ston. South Callington. West Wheal Seton. Shorth Crofty. Prince of Wales. Prince of Wales. Great South Chiverton. Established Ten Years. Member of the Mining Exchange.

WEST ST. IVES,—Mr. J. B. REYNOLDS is a BUYER of any number of shares in this mine, as well as a SELLER. Communications number of shares in this mine, as well as a SELLER. Comm will receive prompt attention. 70 and 71, Bishopsgate-street Within, London, E.C., June 22, 1867.

POSE AND CHIVERTON UNITED.—MR. J. B. REYNOLDS draws attention to this as being one of the finest investments of the day. Reports of Capta. Hancock (of Polberro), Champlon, and the opinions of other first-class authorities may be had on application, together with a plan of the property and district. 70 and 71, Bishopsgate-street Within, London, 22d June, 1867.

MR. J. B. REYNOLDS' CIRCULAR for JUNE and JULY is Banks, Mines, Insurance and Miscellaneous Companies, and will be forwarded gratis on application to Mr. J. B. REYNOLDS, 70 and 71, Bishopsgate-street,

JOHN RISLEY, STOCK AND SHAREBROKER, (SWORN BROKER), 48, THREADNEEDLE STREET, LONDON, E.C. BUSINESS TRANSACTED in EVERY DESCRIPTION of STOCKS and SHARES, on commission only. Bankers: London and Westminster, Lothbury.

WALTER TREGELLAS, 122, BISHOPSGATE STREET,
WITHIN, E.C., DEALS in ALL DIVIDEND and sound PROGRESSIVE MINE SHARES, either for cash or the fortnightly settlement at close

ATRE PRINCESS IN St. John del Rey, Don Pedro, Anglo-Brazilian, Frontino, tossa Grande, Chontales.

WALTER TREGELIAS can confidently recommend the Taquaril Gold Mine, Full and reitable information on application.

Bankers: Alliance Bank.

MR. D. STICKLAND, M.E., having had upwards of 40 years' mining experience in Cornwall, several years of which he has had the entire management of mines therein, enables him to GIVE GOOD ADVICE thereon.

thereon.
Mining, Railway, and other Shares bought, sold, or exchanged. Shares for 38 ale in mines and quarries that will pay 15 to 20 per cent. per annum.
Offices, 5, Finsbury-street, Londov, E.C.

MR. J. N. MAUGHAN, STOCK AND SHARE BROKER, 2, COLLINGWOOD STREET, NEWCASTLE-ON-TYNE, TRANSACTS BUSINESS in RAILWAYS, FUNDS, and every description of MINES. SPECIAL BUSINESS in Chiverton, North Crofty, South Condurrow, East Seton, Ding Dong, East Lovell, Cashwell, Nether Hearth, Water House, Tyne Engineering, and Tyne Steam Shipping shares.

Banker: Messrs. Lambton and Co.

M ASSAYER AND ANALYTICAL CHEMIST,

MR. LEDWARD, CHESTER, has FOR SALE a few SHARES in the TRELOGAN and GLEN ALUN LEAD MINES, at a small discount. An opportunity of acquiring shares in such valuable properties seldom occurs, except at very high premiums; the returns of ore (which have for some time covered the cost) are increasing every month; and the mines are certain, ere long, to pay permanent dividends. some time covered the cost) are increasing every month; and the min-tain, ere long, to pay permanent dividends.

WANTED, TO PÜRCHASE, SHARES in the following MINBS:— RHOSESMOR.

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I WESTMINSTER.

MESSARS, FREDERIC GILL AND CO., STOCK AND SHAREDRALERS, ST. CLEMENT'S HOUSE, CLEMENT'S LANE, LONDON, E.C., TRANSACT BUSINESS in all MINING STOCKS and SHARES at closest market nett prices, either for cash or account.

Messrs. F. Gill and Co. can recommend the purchase of shares in a mining company which possesses a most valuable property, containing several good lodes productive of copper ore and blende in large quantities. The late owner has taken a large number of the shares; and many practical miners in the district, who believe that a few months vigorous working will prove the mine a splendid success, have also taken shares—Cheques to be crossed "City Bank."

JOHN HOCKING AND SON, ENGINEERS, REDRUTH, CALL the ATTENTION of COLLIERY PROPRIETORS and others to the present favourable opportunities for the purchase of secondhand CORNISH PUMPING ENGINES and BOILERS at cheap rates. Plans, valuations, removal, &c., of every description of mining machinery undertaken. noval, &c., of every description of mining machinery undertaken.

FOR SALE, ONE 36 in. PUMPING ENGINE, also an excellent CRUSHER.

MR. WILLIAM MICHELL, STOCK AND SHAREDEALER,
42, CORNHILL, LONDON, E.C.
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are not men of practical experience, therefore I should attach no weight to their reports.

PRINCE OF WALES—"A. B. C."—1. If they are stoping the roof within 9 or 10 ft. of the end, which they have abandoned driving, it cannot be called fair working; they are exhausting their reserves at the expense of development.—2. I should not advise you either way, but there is nothing like taking your profits when you have a chance. It is the scarcity of shares that has advanced the price. Had there been no "bears" of the shares they would in all probability have remained at 30s. each.

A few shares for sale in the Mines Purchase and Finance Company (Limited) at a discount: 10 per cent. dividend is promised in August next.

Apply to WM. MICHELL, 42, Cornhill, London, E.C., June 21, 1867.

MANCHESTER, AND WEST END OF LONDON

M. H. W. HANNAM, MINING, SLATE QUABRYING, INSURANCE, AND GENERAL SHAREBROKER.
ROYAL INSURANCE BUILDINGS, KING STREET MANCHESTER; and
49, STREAND, LONDON, W.
INSTANTANEOUS COMMUNICATION with the STOCK and MINING
EXCHANGES, avoiding the delay and annoyance of visiting the City to ascertain prices. A Monthly Investment Circular on application.

Oniginal Connespondence.

A VISIT TO THE PARIS EXHIBITION-No. II.

A VISIT TO THE PARIS EXHIBITION—No. II.

SIR,—Coals and coke, and the multitude of products of the former, should, I apprehend, be of interest in various ways to a large portion of your readers, and I am, therefore, disposed to linger awhile amongst the cases of these substances. For methey possess a remarkably fascinating influence. The histories of the manufactured portions are pretty well known to me, and I cannot help feeling proud of my birthright as an Englishman, when I remember how much the nations of the earth owe to my country, not only for supplying them in many cases with mineral fuel, but in also showing them how this coal is to be most economically and safely excavated, and the way in which such a multiplicity of useful substances are to be obtained from it. "Wha began it?" was what the Scotchman said to the mischievous young bull, after, by holding on at the tail of "the beast during its many rotations on various axes, and many rapid circuits made in the grazing field, and belabouring its ribs with a stout cudgel, it at last laid itself down and roared as for pity. I am inclined to make use of the same expression, but in rather a different sense, when standing before the cases of MM. Carves and Co., who exhibit models of the furnaces of the works of St. Etienne and of Besseges, and of the various products of coal, as coke, benzole, toluole, benzine, napthaline, rectified ammonia at 22° and 28°, sulphates, chlorhydrates, and carbonates of ammonia, pour l'agricult, l'industrie crestallisé, blano, amorphe, &c. Yours is a very beautiful case, MM. Carves, and your coke, of the first quality, appears to be very good indeed; but I wish I could get the same price in England for coke (nearly 11. 5s. per 2200 lbs.) as you quote it at. I see that you maintain the colouring of silk to be a mean of the colouring material derivable from benzine and the acide phénique, and thus you expose it to show that the tar and other products obtained by the fabrication of coke, according to

2200 lbs.) as you quote it at. I see that you maintain the colouring of silk to be a mean of the colouring material derivable from benzine and the acide phénique, and thus you expose it to show that the tar and other products obtained by the fabrication of coke, according to your process, are of the same properties as those obtained in the ordinary fabrication for the purifying of gas. You French people seem to me to be very wonderful inventors of economical processes, after you have been shown the way to do things; and my opinion is, if it is all true what you say, and you are realising the prices which you quote, you must indeed be making enormous fortunes within short periods of time.

We are in an age of transition, so far as the manufacture of coke is concerned. Great numbers of coke ovens, which once were in full operation at many of our railway termini, and other stations, sending continual volumes of black smoke into the atmosphere, and making dark nights to the railway traveller, appear as emblems of pandemonium, are now either in ruins or totally demolished. We aim at consuming all the heat-giving properties of coal without the intermediating and expensive operations of coke-furnaces. What a waste we seem to have been guilty of in all our coking during so many years! MM. Carves and Co. say that in all the processes of making coke the heat obtained necessary for the distillation, the lighting gas, tar, &c., and about one-sixth of the coal itself, are altogether a loss, much to be regretted, as these products are all of great commercial value. La Société de Carbonisation de la Loire proposes to collect these products, and to burn the gas of distillation, the lighting gas, tar, &c., and about one-sixth of the coal itself, are altogether a loss, much to be regretted, as these products are all of great commercial value. La Société de Carbonisation de la Loire proposes to collect these products, and to burn the gas of distillation for lighting, and as a substitute for fuel in other employments. For nine yea

Co. during nine years on products other than the coke obtained from the coal is 1s. 9\frac{1}{2}d. per ton of coal used.

Considering that France alone consumes annually 2,000,000 tons of coke, corresponding to 3,000,000 tons of coal; by the ancient process of the fabrication of coke, the loss must have been from 12,000,000 cess of the fabrication of coke, the loss must have been from 12,000,000 to 13,000,000 frs., supposing that for industries and agriculture pitch, benzine, manure, &c., had been imported. In effect, by saving 1-6th of the coal carbonised the benefit would be 6,000,000 frs., and for the products of the distillation of the coal and the condensation of tar, &c., may be calculated not less than 6,700,000 frs., making a total of 12,700,000 frs. (equal to 508,000£), which annually has been sent off in smoke. This seems to me to be a subject well deserving the atsention of everyone who may at present be engaged in manufacturing coke in this country.

If all the useful products of coal which have been sent off in smoke

If all the useful products of coal which have been sent off in smoke If all the useful products or coal which have been sent off in smoke into British atmospheres by coking coal could be easily recovered, what enormous wealth would thereby be obtained; seeing, however, that, according to the Carbonisation Company of the Loire, we appear to have been making serious mistakes and shameful waste in our coking process, let us, corrected by the errors of the past, seek to amend our ways in this respect in the future. It is a fact patent to everyone that in all the vast variety of coal furnaces used for divers

amend our ways in this respect in the future. It is a fact patent to everyone that in all the vast variety of coal furnaces used for divers purposes we are continually wasting an almost incalculable amount of useful power and valuable products. In furnaces where high degrees of heat are requisite we can, of course, only expect to utilise the inflamable gases they yield, as owing to the rapid and exposed distillation of the coal nothing but steam and gases, combustible and noncombustible, can be expected as products of combustion; but could these useful fluids alone, in all cases be recovered and usefully applied, the economy thereby gained would be of valuable amount.

The coal mining companies of the basin of the Loire are well represented. The products of the collieries and their mining machinery, surface and underground, are shown by models and drawings in a most interesting and instructive manner, and are contributions from ten companies; and, as their report has it, "expresses the richness of the mines and the diversity of their products in a very considerable way." The basin of the Loire is situated entirely in the district of St. Etienne, and extends from south-west to north-east, embracing a superficial area of 20,960 hectares (1 hectare=10,000 square metres, or 2.47 acres). It is traversed throughout the entire length by the railway from Paris to Lyons by the Bourbonnais section; on one side it is in direct relation with the north-west, and on the other with the east and midland lines of France.

The production of this basin in 1865 surpassed 31 millions do win.

The production of this basin in 1865 surpassed 31 millions de quintaun metriques, equal to about one-fourth of the production of the whole of the collieries in France. The coal beds are divided into four groups, or principal systems, which, commencing with the lowest, are—I. The system of Rive-de-Gier, which, according to scientific information, extends over the entire area of the basin, and the three systems of St. Etienne, known as the lower, middle, and upper. The specimens of coal exhibited from this basin are described as being of excellent quality, and, so far as one can judge from mere external appearances, they certainly seem to be excellent coals, and the coke made from some of them is as good as ever I remember having seen. The specimens are, moreover, are said to represent the two extremities and intervening qualities of all the coals of commerce.

Custom has distinguished in the basin of the Loire four principal regions—Rive-de-Gier, St. Chamond, St. Etienne, and the Western

regions—Rive-de-Gier, St. Chamond, St. Etienne, and the Western Region, found entering the concessions of Bérandière, Montrambert, regions—Mive-de-Gier, St. Chamond, St. Etienne, and the Western Region, found entering the concessions of Bérandière, Montrambert, Rochela-Molière, and Ferminy, and the coal exhibited appertain to these different districts. The societies comprised in the Colliery Ex-position of the Loire appertain to these different districts, and are

as follows:—

1. THE COLLIERY SOCIETY ANONYME (JOINT-STOCK) OF RIVE-DE-GIER.—This society possesses the large concessions of Croix, Reches, Cappe, Collenon, Corbeyre, Montagne-du-Fue Gravenand, Crazagaco, Gourd-Marin, Sardon of the Vercheres, of the Virrerie and Chantegraine, of Frigerin, of the Combes and Egarandes, and of Marthorel, and Couzon, representing a total surface of 1318 hec-tares. In 1865 the society employed 1496 workmen, and produced 2 125 239 quintagy mitrigues of coal. 3,185,532 quintaux métriques of coal.
2. The Mining Company Anonyme of St. Chamond (The

2. THE MINING COMPANY ANONYME OF ST. CHAMOND (The mining concession of St. Chamond comprises the vast extent of 3542 hectares).—In 1865 the company raised 310,565 quintaux métriques of coal, and employed 217 workmen. The company is at present employed almost entirely in scientific explorations, and for the benefit of coal mining industry. They are, in fact, seeking to discover

in the region of St. Chamond the rich coal beds explored in Rive-de-Gier. The pits have already attained the great depth of about 700 metres, and the specimens shown by the society are the names known of the series of earths they have passed through.

3. The Region de St. Etienne (The Mining Society Anonyme of the Loire).—This society comprises the concessions of Montsalson, Villars, Quartier Gaillard, Chana, and Cluzel, and is of the extent of 1942 hectares. They also possess other 65 centiemes in the mining concession of Beanbrun. Their out-put in 1865 was 3,308,660 quintaux métriques, and the number of their workmen 1743. Besides exhibiting several specimens of the products of their mines, they also expose a plan in relief, showing the interior excavations, so far as they have at present explored.

4. The Colliery Society Anonyme of St. Etienne.—This society possesses the concessions of Terrenoire, Trenil, Méons, Bérard, Côte Theollière, Roche, and of Chaney, the total extent being 1241 hectares. In 1866 they extracted 5,288,000 quintaux métriques, and employed 1920 workmen. They show a number of specimens of coal from their pits, and a model of the surface machinery of the tenth pit they have established at St. Louis. Besides working coal, they are employed in the manufacture of small coal into blooks. Their principal work for this purpose is situated at Givors, and is of importance for its extent and the incessant improvements which are being developed there. They exhibit the principal portions of the apparatus employed in this industry, showing the perfection they have arrived at in the various departments of the work.

There are other six of these societies exhibition grounds. The Coal Mining Society of Beanbrun show, by plans and sections, their methods of working, and the machinery they employ at the surface in and underground; also the means they employ for raising water, as by pumps and cisterns.

One feature forcibly presenting itself to one's mind when examining these models, drawings, and specimen

from a careful inspection of this part of the Exhibition, and I re-commend any mining man who may visit this grand exposition to give some attention to the products, &c., from the coal basin of the Loire,

MINER.

COLLIERY ACCIDENTS, AND SAFETY-CAGES

COLLIERY ACCIDENTS, AND SAFETY-CAGES.

SIR,—Scarcely an accident occurs in connection with colliery operations which does not bring forward a host of suggestions, made with the best possible intentions, but well known to practical men to be quite useless; and the calamity at the Washington Colliery has formed no exception to the rule,—every patentee of a safety apparatus seems to utilise an accident as a means of advertising it. The Hartley accident called forth all kinds of ingenious curiosities; the Oaks explosion did the same; and it will probably be so as long as collieries are worked. But the most remarkable fact is that the least practicable suggestions in most cases, create the largest amount of Oaks explosion did the same; and it will probably be so as long as collieries are worked. But the most remarkable fact is that the least practicable suggestions, in most cases, create the largest amount of sensation with the public. The circumstance is, however, to some extent accounted for when the case is fairly considered: the practical man, who has spent all his life in connection with collieries, is well aware of the requirements of the case, and of the difficulties and obstacles to be encountered and overcome; consequently, he weighs every part of the subject, and endeavours to find such an arrangement as will effect some good, and which, at the same time, it is possible to carry out. The knowledge of these difficulties prevents him from suggesting anything very startling, because he knows that in the attempt to carry out any design he must consider where the design is to be applied. Not so with the theoretical philanthropist: to him existing circumstances are unimportant; he knows not, in fact, of their existence, and he suggests accordingly. He aims at effect, it is true, but so long as that effect is produced upon paper he is contented, and thinks that everyone else should be so likewise. The difference between the practical and the theoretical inventor who designs for collieries is just this: the practical man is like the physician, who prescribes for his patient according to what he believes to be the nature of the disease; while the theoretical man is like the empiric, who regards it as unnecessary to see the patient, and ascertain his probable disease, but is content to prescribe one powerful medicine to all who ask his advice.

At the time of the Hartley accident, for example, one Mr. James Rae proposed an arrangement which attracted much attention, but from non-practical men only, for preventing similar accidents. He suggested that there should be fixed on each side of the man shalfe.

At the time of the Hartley accident, for example, one Mr. James Rae proposed an arrangement which attracted much attention, but from non-practical men only, for preventing similar accidents. He suggested that there should be fixed on each side of the main shaft tubes with ladders in them and ratchet teeth outside—the former to aid the collier in escaping in time of accident, and the latter to serve the purpose of guide-rods. Now, the absurdity of the invention is obvious. The cost of these pipes would be considerably greater than that of putting down an additional shaft. This is supposing that the tubes could be used at all as Mr. Rae suggests, which they most certainly could not, for the simple reason that we could never hope to get such tubes straight enough to guide the cage, unless we had inside flanges (which would occupy a far greater quantity of room than we should have at our disposal within the tube), or such large guides as to allow the corresponding pieces on the cages to clear the collars of the tubes. Consequently, Mr. Rae's suggestion to cast the ratchets on the outside of the tube is bad, whilst to have separate guides bolted to the tubes would occupy in the pit, and the greater difficulty than at present of keeping the guide-rods (or their equivalents) in gear. With regard to his disengaging hook, which he says is so contrived as to prevent overwinding, by detaching itself from the cage as soon as the top of the pit is reached, it is the worst feature of the invention, because upon the hook detaching the cage would be left at the mercy of the safety-catches, and as these would, like all of the kind, probably fail when required, the chances are that as soon as Mr. Rae's safety disconnecting hook came into play the men in the cage would be precipitated to the bottom of the pit, and be brought up corpses.

The Washington accident has caused a rage for "keps," in addi-

brought up corpses.

The Washington accident has caused a rage for "keps," in addition to safety-catches and of safety disconnecting hooks, and if these savans go on much further we shall have our pits so arranged that the collier will be provided with an electric apparatus at the bottom of the pit, so that when he requires to ascend he can start the engine at surface himself. The probable result is easy to predict: he would start the engine by electricity, be drawn to surface by steam, and launched into eternity as soon as he gets there. As to the contrivances for securing safety in pit shafts, I think the remarks of Mr. R. Heckels, of Sunderland, explain the feelings of all connected with collieries. He says that "keps," if used in certain situations, as in many where he himself has them in use, give increased safety; but, he continues, in many situations, where at first sight they might appear desirable, they would be extremely dangerous. Then as to pear desirable, they would be extremely dangerous. Then as to safety-cages, he knew of no cage properly so called. Let us have one, and he, amongst many, would feel much indebted to the pro-ducer of it. As it is, he is, for himself and numbers of hard-working ducer of it. men, whose lives are in a considerable degree intrusted to the care of himself and others, under great obligations to such men as Fou-drinier and Broadbent for their endeavours to produce for us a safety apparatus by which to spare heartrendings, such as have so recently occurred in our midst; but nothing as yet, in his opinion, has been invented or discovered which in practice renders increased safety in descending or ascending a shaft, the apparatus attached to the cage, in all cases, much more likely to create than to prevent the occurrence of accidents; and as Mr. Broadbent's so-called safety-cage cannot be considered exceptional, were at a loss to have his opinion on safety-cages. as we now have them endersed, one need only turn on safety-cages, as we now have them endorsed, one need only turn to the circular of Mr. Broadbent, the latest inventor of a safety ap-paratus for colliery cages, and read what is there stated as to averting disastrous consequences to life and property. If we apply Mr. Broadbent's remarks to his own cage, as well as to others, his observations will be quite accurate. He says:—

"Notwithstanding the numberless devises, patented and otherwise, having this object, it is all but universally admitted that none have hitherto met the difficulty, most of them being cumbrous, complicated contrivances, scarcely ever reliable in the moment of danger, and in some cases when they have acted

have only added to the mischief they were breaking the guides."

Although I would not go quite so far as those who contend the all safety apparatus are dangerous, from their tendency to cause carelessness on the part of those whose neglect they are intended to compensate for, I believe that every year we are going further bad, rather than improving, in consequence of the increasing effort upon the part of the public to render compulsory the use of scientific and the part of the public to render compulsory the use of scientific and theoretical safety apparatus, which in the hour of need prove selves to be worthless, and the decreasing inducement, through the interference, to employ really competent and intelligent working for responsible duties.—June 19.

ENGINE TENTER

THE WORKING OF FIERY COLLIERIES WITHOUT THE USE OF SAFETY-LAMPS.

THE WORKING OF FIERY COLLIERIES WITHOUT THE USE OF SAFETY-LAMPS.

SIR,—The question as to working fiery collieries with naked light is now very properly occupying some space in the Mining Journal It appears singular that the bare idea of working a fiery colliery means of open lights, after all the exertions of scientific men to provide a good and safe lamp, should not be treated with ridicule, or regarded with horror. In the face of the appalling and terrible massacres at Risca, the Oaks, and many other places, unfortunately facto numerous to mention, it appears to be about as wise to attempt the working of a fiery mine by means of open lights as to ascend in a balloon without a valve, to navigate a ship without a rudder, or work a steam-boiler without a safety-valve. And I do honestly be lieve, after nearly 40 years' experience of such mines, that if all the bearings of the case were fairly looked at, the comparison I have just made will prove a correct one. We are told that a fiery mine is actually worked by means of open lights, and this paper shatther is nothing new under the sun, for the same experiment was tried rather extensively previous to the invention of the Safety-Lamp, with what results it is not necessary to repeat.

But a "fiery mine" is quite an indefinite term, and therefore the working of one mine by means of open lights should not be takenly any man as a precedent or authority to work any other mine in the same way. No doubt it is considered by many that to enforce the exclusive use of safety-lamps in a fiery mine is an extreme meanum but to work a fiery mine entirely with open lights is the opposite extreme, and, I would submit, a most dangerous course. The onlyres son I can give for this opinion is, that the most complete ventilation possible, so far as the science has progressed, does not warrant be use of open lamps in all parts of a mine; the lamp ought to be used for open lamps in all parts of a mine; the lamp ought to be used for open lamps in all parts of a mine; the lamp ought to be

EXPLOSIONS OF GAS IN COAL MINES.

SIR,—I am sorry to have made an error in my letter in last week Journal, by stating that Mr. Atkinson was at the inquest at Barnsley, Mr. Blackwell was the gentleman I alluded to. One of his (Mr. Blackwell's) remarks made to me when I explained the way to exhaustga from the goaves of coal mines was, when shown a diagram—"0b! this is one of your Welsh goaves; you know nothing about it." As a Welshman, after travelling upwards of 200 miles, in the depth of winter, with a benevolent object, and paying my own expenses, I did think that I ought to be treated with more consideration.

Blaenavon, June 20.

JOHN G. WILLIAMS

COLLIERY ACCIDENTS—OVERWINDING.

SIR,—I rather fear none of the nostrums mentioned by your correspondents come up to the mark, nor does it seem to me that any of them are as good as a good brakesman. Self-acting brakes, self-acting stop-valves, are not the thing. Let us look at what the brakesman really does. Take, for example, a pair of coupled windingengines, with the link motion. All that the brakesman is required to do is to put the link in backward or forward gear, and then open the throttle-valve as gently as he likes, and the engine goes as slowly as he pleases; shut the throttle-valve, and it will stand. Nothing can be simpler. You can go as slow as a snail, or as fast as a race-hors; but if you go as fast as a race-horse you cannot stop the engine as soon as if you went as slow as a snail; and here is the problem. If you went as slow as a to be able to stop the engine instantaneously you went so slow as to be able to stop the engine instantaneously you would disturb the operations. You could not do all the work quiet enough; and, although this would be absolutely safe, yet you required a nostrum which will enable the brakesman to go at a modern's speed, such as he cannot stop the cage (say) within 30 ft., and which COLLIERY ACCIDENTS—OVERWINDING. enough; and, although this would be absolutely sare, yet you require a nostrum which will enable the brakesman to go at a moderate speed, such as he cannot stop the cage (say) within 30 ft., and which will ensure him coming to the slow speed at such a point that is will be impossible for the cage to go over the pulleys. Now, I do not think a brake is the thing to do this, for a brake applied suddenly would run the risk of damaging the machinery; nor do I see how shutting the throttle-valve by machinery would do, unless the same load were always on. I cannot, therefore, see how either of these expedients are better than a human being for controlling a varying speed; and if a varying speed is the cause of the accidents we have of (and who can doubt it), it would appear that nothing short of keeping to such a speed as that whenever the throttle-valve is shut the engine will stand, and that the speed should never vary—should not exceed (say) 100 ft. per minute. I do not give this as the thing, but it is near it, and it opens up the important question as to whether we should not have engines for winding men alone at each pit, going it such a speed as noted above, and which would render overwinding impossible. I can easily see such a proposal will be objected to a account of the expense. No doubt all improvements cost mong; and suppose it was to add a penny or twopence on the ton, the public would be required to pay for it.

ANOTHER BRAKESMAN.

UTILISATION OF SMALL COAL.

SIR,—My attention has been drawn to a letter, signed "Commerce" in the last number of your valuable Journal, in which the writer make in the last number of your valuable Journal, in which the writer make some allusion to my patented processes for the manufacture of afficial fuel. "Commerce" has evidently very little acquaintance with my inventions, or he would not speak of my having claimed the discovery, "that it matters little whether tar or gruel is used, so long at the fragments of coal are reduced to about a uniform size, and then carefully compressed." Indeed his observations show so little equaintance with either the subject in general, and my processes in particular, that I would advise him to obtain a little at ore knowledged by the second subject of both before he again attempts to enlighten your resears. I we especially refer him to the several articles which have appeared to the Mining Journal.—Northfleet, June 19.

DAVID BARKER,

NEW INVENTIONS.

SIR,—There are men to be found who see no moral wrong in copying and using a patented invention, which, in many instances, has cost hundreds of pounds and many years' study and toil to bring in perfection; but surely no fair and honest reasoning can justify any man in robbing another of the work of his brains any more than he would be introduced in classification to the contraction of the work of his brains any more than he would be introduced in classification. man in robbing another of the work of his brains any more than a would be justified in clandestinely taking from him what he has gained with his hands. In making these remarks I wish it to be understood that I refer to inventions of real merit and commercial value. Amongst the patented machines which have come under my notice connected with mining matters is Blake's Crusher and Hunt's Ore Separator, both of which are acknowledged to be the best machines of their kind in use. I cannot say what time or money has bed Separator, both of which are acknowledged to be the best machines of their kind in use. I cannot say what time or money has been spent in bringing Mr. Blake's machine to its present state, but I field Mr. Hunt began his experiments about 30 years since, and the first model was made for him by a Mr. Todvin, tin-plate worker, in the Island of Guernsey; it was made of copper, and resembled a sort of forcing-pump, and by successive alterations and improvements has made it not only self-feeding and discharging, but it divides the orey matter under treatment into two, three, or more different quelities, according to its specific gravity. So complete are the mechanic orey matter under treatment into two, three, or more different qualities, according to its specific gravity. So complete are the mechanical arrangements that it may almost be said to weigh the ore and place each quality where destined to go. Mr. Hunt took out his first patent in 1852; and, it can be seen by the specification, the machine was so constructed that it could be fed in the ordinary way,

d the waste scraped off, or by leaving a place open for the waste scraped off, or by leaving a place open for the waste scape, and feeding it by means of a hopper (which is more fully escape, and feeding it by means of a hopper (which is more fully scribed in the specification relating to his second patent); it is scribed in the accountried into a continuous jigging-machine. About three years neouverted into a continuous jigging-machine. About three years no waste in the scribed in es in the North of English and all ought to set their faces against yen to valuable inventions, and all ought to set their faces against yen to valuable inventions.

INVENTOR'S FRIEND. udulent practices.

PETROLEUM IN GREAT BRITAIN.

Many persons are not aware that petroleum is one of the mos

Sib.—Many persons are not aware that petroleum is one of the most cient illuminating substances known, having been used by the bylonians, Persians, and Birmans long before the Christian era, dis now an article of considerable commercial importance in the dis now an article of considerable commercial importance in the ter country, for in British Birmah, in the neighbourhood of Ranter and the substance for the country, but from which more illuminating substance for the country, but from which more an 400,000 barrels are shipped annually.

Petroleum is an hydrated carbon, which has been thrown off from terminous beds of coal by the chemical agency of subterranean heat, the form of sulphuretted hydrogen, which has acted upon the whole down mass of vast interred forests, which have been thickly overden with limestone, ironstone, and other earthy substances, and, on its continuous heated action on the buried mass, has, figurately speaking, distilled from it all the cleaginous bitumen contained years, has driven it out into the most adjacent absorbent subsuces and transsubstance was the free conditional absorbent subsuces and transsubstance was the free om its continued etyspeaking, distilled from it all the cleaginous bitumen contained etyspeaking, distilled from it all the cleaginous bitumen contained etyspeaking, distilled from it all the most adjacent absorbent submes, and the western sides of a continent of North America, and which distillation has changed e continent of North America, and which distillation has changed eriginally bituminous coal beds into anthracite, converting the assinto an oxy-hydride carbon, from which no smoke can be obiged in its combustion, all the matter from which smoke is formed ving been driven out from the mass into a foreign body. Natural coal, being originally wood, must as a sequence be more less bituminous, and when this ceases to be the case, that body at have undergone some great chemical change, and have been ted upon by some re-agents, which have altered its character. This ange has been effected in the bituminous coal fields converted into the case, the sulphuretted hydrogen, assisted by the agency of

ange has been enected in the bluminous coal neids converted into handle by the sulphuretted hydrogen, assisted by the agency of clum, under a strong pressure, sufficiently great to permeate the lebemass, and by these means to drive out all the oleaginous matter, character of the whole body so acted upon, producing what was merly called stone-coal, which until recently was considered use-

ould thus appear that this chemical action must take place for through this appear in the mineral formation of bituminous coal into anthracite, and, therefore, ey deposit of that coal must have undergone the same chemical gio, and by these premises we may fairly argue that petroleum giold be found near or adjacent to the fields of anthracite, which me so large a feature in the mineral formation of South Wales and that the quantity would be in proportion to the extent

those various fields.

At this juncture, when the public attention has been so loudly called the question of the supply of coal to be found within this kingmin, for the means of producing caloric for the generation of steam, dither ecent experiments that have been so successfully tested for a tpurpose, at Woolwich, the importance of an investigation into probability of the free sandstone, or other porous earths in the ginity of the coal fields before named, for the purpose of testing if frolum be there deposited, cannot be too strongly advocated, as are can be no physical impossibility why petroleum should not be and under the same circumstances in the British Isles as those in lich it occurs in the Continent of North America. W. H. G.

HISTORY OF MINING-No. IV

Sig.—In former communications I called your attention to the in-esting fact that in the pre-diluvian world the use of metals for riouspurposes of civilisation attained much importance. It would prosspurposes of civilisation attained much importance. It would pear that from the very commencement of the post-diluvian ped the value and necessity of metais for the use of man were reguised. The building of the Tower of Babel, according to the ronology of Archbishop Usher, was 2247 years before the birth of this, 49 years before the birth of this, 49 years before the death of Noah, and a little more than recenturies after he left the Ark. It is reasonable to suppose at the great city and tower could not be erected without the use metal implements, more especially iron. The confusion of tongues attend men in various directions from the plains of Shinar, and sessitated their formation into distinct communities or nations, is dispersion would bring a greater area of the earth into cultivation at an earlier period than would otherwise have occurred: and as at an earlier period than would otherwise have occurred; and as had discovered long before the importance of metals, and must had some knowledge of the evidences of their presence in the we had some knowledge of the evidences of their presence in the ses occupied by them, mining must have become very general was early as 4000 years ago. The date is about as remote as that which the sacred historian represents Abraham as very rich in sile, and silver and gold; and there are proofs in existence that the grains possessed an abundance of these metals previous to that the colds history, chiefly of gold, silver, and copper. At that period, so, metals were employed extensively in connection with the arts of manufactures in three great centres of civilisation, which have a notice, while a certain prevailing similitude in taste and design tisted. These three centres were Egypt, China, and Mexico. The Enother, while a certain prevailing similitude in taste and design listed. These three centres were Egypt, China, and Mexico. The mains of Egyptian civilisation convince us that the country was the in wealth of metals whencesoever derived, and that the precious stals existed in quantities of which moderns can form no concepton. It is recorded that the Greeks and Trojans obtained gold from hispia, Arabia, and Ophir, the site of which is not now known. We carthagenians obtained gold from the interior of Africa. It is rebable that Spain was at that period very productive in silver. Bat cannot fail to strike us in reviewing the facts is that in all one countries so much metallic wealth could not have been possed if mining had not become a very generally known art, and

see countries so much metallic wealth could not have been possed if mining had not become a very generally known art, and
usued on a grand and enterprising scale.

While in Western Asia, Eastern Europe, and Northern Africa metals
the thus extensively worked, and worked with, at so remote a period,
hina, in the far ext of Asia, was as accomplished in finding and
reloying mineral products. In the Western hemisphere there exset a contemporaneous civilisation, as the recently-discovered reains of great cities prove, the construction of which without a
cowledge of mining, and the manufacture of implements from metals,
ould have been simply impossible. It seems that America possessed sowedge of mining, and the manufacture of implements from metals, wall have been simply impossible. It seems that America possessed lies as extensive and superb as those of the Eastern hemisphere, here has as yet been no evidence discovered of the cause or causes the decay of that grand old western civilisation, of the mighty flies that once rivalled the finest in Asia and Europe, or of the people he have perished or passed away. It is one of the most sublime yisteries in the history of the world. It is obvious that the great sliding era commenced soon after man set forth from Ararat, for epulation increased with prodicious rapidity, and it is certain that ulation increased with prodigious rapidity, and it is certain that cities then erected, so vast, splendid, and elaborate, and the mo-sents connected with them, could never have been created without copper, lead, and other metals, so that contemporaneously with aising of such structures the earth must have been in many penetrated to bring up these essential commodities. The timber ads penetrated to bring up these essential commodities. The timber alled, the stones hewn, to construct these cities could never have been mught into use with that perfect fitness which is so characteristic ithout well-formed iron and steel tools, and an expert use of them. It is reasonably thought that this enterprising and intelligent nason obtained copper from Lake Superior, as traces of ancient workings have been found in that neighbourhood, thickly covered by desis, and in which trees, having nearly 1800 rings of growth, now that, in these workings have been found large greenstone hambers, indented in the middle for the holding of a withy handle. There have been also found there hardened copper bars formed into thisels. They were doubtless aware, and made use, of the boundless

stores of gold and silver which existed in Mexico, Arizima, the sur-

stores of gold and silver which existed in Mexico, Arizima, the surrounding country, New Mexico, California, Nevada, Colorado, up to Lake Superior. These regions are still so rich in mineral wealth of almost all descriptions that more could be obtained from them than all the communities of man together now possess. Many old workings have been discovered throughout those countries; indeed, in nearly all nations there may be traced ruins of great cities, which could only have been erected by people acquainted with mines, with great resources, and high civilisation.

Thus, Samarcand, in Independent Tartary, 48 miles in circumference; Bactria, "the mother of cities;" the numerous cities of Hindostan; when Alexander invaded that country he found riches and civilisation, and proud and great cities. The most interesting of all ancient cities is, of course, Jerusalem; and we are made aware by the sacred history that Solomon and neighbouring princes knew how to use mineral products. Sir James Emerson Tennent avers that India supplied the gold. So vast was the treasure possessed by Solomon that according to Kito, David left for the building of the temple 889,000,000%. sterling. Thus, a review of the state of the ancient world, especially in the age of great cities, shows us that metals were extensively possessed, and that mining is the father of the arts and the founder of civilisation. It has, therefore, an honourable history, and should command the attention and interest of all civilised peoples. It is to be hoped that the day will not arrive when Englishmen will be indifferent to this great and ancient industry.

THOMAS SPARGO.

Gresham House, London. Gresham House, London.

MINING PROSPECTS-REDUCTION IN DUES. THE HELSTON DISTRICT.

SIR,—Simultaneous with the weather, considerable improvements are reported to have taken place both in Wheal Vor and Penhale Wheal Vor. These very desirable changes in the prospects of these mines clearly prove that their situation is in the right place. The immense deposit of tin raised from the north lode in Wheal Vor, said to amount to upwards of 3,000,000*l*, sterling, is about an equal distance from the rich metal lode south as the Penhale Wheal Vor lode is to the north. These great deposits of tin appear to be in the same north. These great deposits of tin appear to be in the same and between the same cross lodes. Trumpet Consols is also greatly improved; in fact, this property seems to be inexhaustible in rich courses of tin, and is now on the list again as an increasing di-

rich courses of tin, and is now on the list again as an increasing dividend-paying mine.

A little to the west of the great range of granite hills abutting on the Marazion district, a large lode has just been cut in bringing up an adit from the sea, of considerable promise. These discoveries, with an advance of 2t, per ton in tin this week, impart a much better feeling conversely the gright for new time rest and with the with an advance of 2t, per ton in this week, impart a much better feeling generally than existed for some time past, and, with the reduction which some of the great landed proprietors are making in their dues, will no doubt impart fresh confidence to mining. One of the oldest and most respectable firms, as stewards to several noblemen and great land proprietors, are favourable to the reduction in dues, as the best mode to encourage the success of so legitimate a pursuit as that of mining.—June 20.

A COBNISHMAN.

THE PROGRESS OF MINING—AS A SCIENCE, AND SOURCE OF COMMERCIAL WEALTH .- No. II.

OF COMMERCIAL WEALTH.—NO. 11.

SIR.—While considering the question of the exhaustion of the metals in the veins of different countries, it is surprising how generally the number of trial mines exceeds that of the more advanced or dividend mines, not but that a number of the so-called progressive mines are unproductive. Many of the trial mines already commence to give some fruit for the outlay, although in some cases they have had to be sunk 150 or 200 fms. deep before the ore ground assumed a state of sufficient solidity to afford much substantial returns. We noticed last weak that the progressive mines were about 320, and the divisome fruit for the outlay, although in some cases they have had to be sunk 150 or 200 fms. deep before the ore ground assumed a state of sufficient solidity to afford much substantial returns. We noticed last week 4 hat the progressive mines were about 320, and the dividend mines 80. This shows the great faith of the mining community in the undeveloped resources of the country; but, in order to have a better view of the matter, we must go beyond the bounds of our present practice, and appeal to theory to some extent. Now, if we look to the granites of Cornwall, and the porphyries and trappean rocks in such countries as Mexico or California, it will appear by no means probable that our deepest workings will have reached to anything like the depth at which the powers were seated that removed these disturbed rocks. There must be yet an immense depth of unexplored ground between our present workings and those great depths whence, from analogy, we may suppose the metals emanated; neither can we suppose that now that man has such an effectual instrument put into his hands as the steam-engine he will fail to avail himself of its power for effectually exploring these untried fields that he has at his command, notwithstanding that he has been checked and retarded, from time to time, by what the French call the difficulties of the situation. But if we give a retrospective glance at the great things he has already accomplished, I think we must acquire faith that the future of mining will be still one of progressive success. Let us review the present engine-shaft, in comparison with the ruder efforts of mankind. The engine-shaft, that some London gentlemen in the earlier stages of London mining supposed might be removed from one mine to another, will be found rather a ponderous affair to deal with. Some of our engine-shafts in Cornwall are about 1800 ft deep. From the top to the bottom, or nearly so, runs a wood rod, or tree, of such dimensions that it contains about 20 cubic feet of timber to the fathom, or 6000 ft. of wo Involves a mathematical calculation, in order to surround it in the best manner by the cylinders of iron through which the columns of water are conveyed to the surface, and to reduce the set-offs or branches to which the side rods are attached to the shortest length possible. This rod is counterbalanced by columns of water acting upon pistons or plunger-poles attached to it, which further encumber the shaft, and make its arrangement a matter of peculiar ingenuity. In fact, no one unacquainted with mining could imagine the amount of foresight and skill requisite for furnishing properly a shaft of this description; and its accomplishment reflects most favourably upon the engineering talent of Cornwall. While the type of this class of work was being perfected, from 50 to 60 years ago, the engineers, led by the celebrated Trevithick, were making experiments upon the steamengine at Herland and Wheal Alfred, situated within easy reach of Mr. Trevithick's residence, at Hayle; and gradually the high-pressure or, as it was then called, the puffer-engine was changed into the model of the present Cornish engine. But in those scientific trials locomotion was not lost sight of, though I suppose it was not dreamed of by Trevithick, Vivian, and Davey that we should, with a common locomotive-engine, such as those perfected by Mr. Robert Stephenson, convey 1000 passengers 100 miles for a cost of 131, 2s, 6d., or locomotive-engine, such as those perfected by Mr. Robert Stepnenson, convey 1000 passengers 100 miles for a cost of 13*l*. 2s. 6d., or something less than 3½d. each, or 1d. for first-class passengers for 15 miles, and for the third-class 1d. for 40 miles. I do not suppose that those great primitive engineers ever imagined anything of this sort. Their effort was to emulate the mail coach, and much of their talent was wasted in contrivances for making locomotive-engines travel on the common roads. Yet Trevithick did succeedin establishing a locomotive engine which as a model on a riger railway. travel on the common roads. Yet Trevithick did succeed in establishing a locomotive railway engine, which, as a model on a ring-railway, worked very well, and this was the origin or embryo engine that represented, in a sort of vision, our present system of travelling. But when are we passengers going to derive the total benefit due to us from this splendid invention? When will the Rowland Hill of railway travelling arrive? About the same time Davey, not Sir Humphry, but Capt. John Davey, of Regally, in Gwinear, was engaged in speculation as to the formation of metals, and so well was he versed in the theory of the filling of metallic lodes that he worked 16 mines, amongst which were Great Wheal Afred, Wheal Neptune, Crenver and Alraham the Herland and Boseawell Downs, without failing and Abraham, the Herland, and Boscaswell Downs, without failing in any instance of producing a dividend for the lucky shareholders. I am sorry that I cannot adduce this as a fact illustrative of the eluthey were doubtless aware, and made use, of the boundless cidation of the progress of scientific mining in the present day; yet

I have continual faith that although the progress of mining may be checked for a moment, yet its course will be a successful one.

M. F.

TREASURY CONSOLIDATED MINES COMPANY.

TREASURY CONSOLIDATED MINES COMPANY.

SIR,—It is noticed with very great satisfaction that an influential party is about to rework the important, and hitherto untried, setts of Treasury Consols. As an old inhabitant of the parish, I well remember the reasons why the mine was abandoned; not from want of copper or tin, but from inadequate capital: and it so happened that an adjoining mine was suspended, the water became too much for their engine, and the shareholders unwilling to provide further steam power, they were stopped, notwithstanding some 300 tons of copper ore were raised and sold the last month of the mine working. In addition to the Treasury Mine, they have an immense run of virgin ground to the east, known as Clowance Wood, where several lodes have been seen at the adjt level, of a very promising appearance for copper ore. An engine-shaft has been put down 20 fms. below the adit, and should be sunk with all dispatch to the 50, about which point in this district copper ore is generally found in paying quantities. There is not a richer locality in Cornwall than in and around these mines—West Providence, Wheal Tremayne, Crenver and Wheal Abraham, Binner Downs, Rosewarne United, and others. Every one of these mines has been very productive, and paid immense profits. Crowan, June 19.

A WELL-WISHER.

TREASURY CONSOLIDATED COPPER MINES.

SIR,—It is with gratification I find these mines are to be worked by an influential company, commanding sufficient capital to properly develope the whole run, which has been so celebrated for its riches. I know the ground sufficiently well to speak of its probability of becoming a lasting and a very profitable undertaking, if properly managed. I remember in the last working that the machinery was not of sufficient power to drain the mines to the great bunches of ore standing in the backs and the bottom levels, neither would the financial position of the company warrant its properly developing itself; hence the cause of suspension, and thus leaving the mine in a better position than when first started. Looking over the reports from agents of such vast experience as Capts. Charles Thomas, manager of Dolcoath and West Seton; Joseph Vivian, of North Crofty; James Pope, of Tresavean and Wheal Basset; Robert Williams, of Wheal Seton; and James Juleff, of Wheal Chiverton—all mines which are now paying dividends—together with the comparative shallow depth and the great profits that have been made in those and adjoining mines of the Treasury Consolidated, I say to the investor, the chances of success are almost a moral certainty, as also of its becoming a dividend mine at a very early period. -It is with gratification I find these mines are to be worked of its becoming a dividend mine at a very early period.

AN OLD MINE AGENT.

TREASURY CONSOLIDATED MINES.

TREASURY CONSOLIDATED MINES.

SIR,—Having been in this neighbourhood, with a view to engage unemployed miners to go to the Durham coal fields, I was forcibly struck with this mining locality; and from every old miner living in the neighbourhood I was told that they hoped to see the good old days again revived in Crowan, so that their sons may again return to assist in raising out the great amount of copper ore and tin that must be in these mines. Confessing that I am but a coal miner, I shall embark in this concern, from the simple and straightforward reports I have ascertained on the spot, and on my return home shall advise my friends to do the same.

S. W. W.

Truro, June 20. HOW TO RESUSCITATE CORNISH MINING.

Advise my friends to do the same.

Thruo, June 20.

HOW TO RESUSCITATE CORNISH MINING.

Sin,—In last week's Journal I saw some remarks respecting the large amount of mineral that was formerly raised in the Marazion and St. Hilary districts, and the fortunes made by our forefathers. There are hundreds upon hundreds that have never yet been touched for mining purposes. Although there is a great outery about the prices of minerals, while they are above the prices when yer great fortunes were realised, it looks as a case without an exception that as mines get deep the quality depreciates in value. Still something must be done for us to compete with our neighbours. A person might almost think, although in the latter part of the innetcenth contury, that we are governed by the laws of the last of the same and the prices of the same of the sa

been sadly mauled. When they find the lords willing to put their shoulders to the wheel, nothing will deter the adventurers from looking the worst in the face. When, then, the lords have actually reduced the dues, we'll work for another twelve months, whether or not, whatever 1 have said on this, I may say our country is in the balance, and in the other scale we have America, Africa, and Australia. Every effort should be made to prevent us from kicking the beam. Let the lords put their shoulders to the wheel; although we are but a little country, we will show we are not to be swamped, with the world against us.

Marazion, June 19.

GUNNISLAKE (CLITTERS') MINE.

GUNNISLAKE (CLITTERS') MINE.

SIR,—It is but seldom we see any reference to this progressive and valuable property in the Journal, but now, with your permission, I beg you to insert the few following remarks on it, for the encouragement and, I hope, benefit of those whom it may concern. According to the past few months' and prospective future sales of copper ore, this mine will be found, at no distant date, to be one of the Cornist prizes of modern times. The Practicals, and those who have any knowledge of mining and the mine, are having their names registered in the company's books as shareholders as fast as they can get the shares; but I say to those who have borne the burden and heat of the day, as it were, by paying calls, to rest awhile, and hold tight your shares—there is a brighter day dawning for you. Several parties have bought in here largely within the last two or three weeks; Capt. James Phillips, of the Bedford United Mines, for Instance, has bought nearly one-tenth of the mine. At one time Capt. Phillips held a large interest in this same mine; but he sold out before many calls were made, and now, after all calls were made that were necessary to pay for working away all the dead

ground, sinking shaft, driving levels, &c., so as to show a bunch of ore in almost every place in the mine, and to pay for three engines and other necessary machinery and appliances, and their crection, for drawing the ore to surface, dressing it, and sending it to market—finding a good balance at the bankers in favour of the company—his practical knowledge of mining has induced him to purchase the interest stated above in this mine. He knows the mine too well to let such an advantage site.

of the company—his practical knowledge of mining has induced him to purchase the interest stated above in this mine. He knows the mine too well to let such an advantage slip.

The accounts produced at the last meeting, held on the 13th inst., showed a balance in favour of the company of 807t. 11s. 6d., about 300t. of which was a clear profit on the last three months' working, and it is confidently expected that the next three months' working will leave a still larger profit. It must be remembered that the ore raising now is from sinking and driving principally; but when the backs and bottoms come to be stoped away the ore will be raised in larger quantities with less expense, consequently at a greater profit. There has been a good lode in the 12 fm. level below adit for the last 20 fms. driving, worth from 10t, to 30t, per fathom, and still continues; but in the whole distance it has been invariably the best in the bottom of the level, which augurs well for the next level below, which is fully expected to strike into the same course of ore in three or four weeks from this time. In the back of the 12 there is a rise worth 18t, per fathom. In the bottom of the adit, about 15 fms. in advance of the 12 fm. level end, there is a winze sunk, from the bottom of which is an end driving to meet the 19 fm. level end west. The lode in the winze, for the last 5 fathoms sinking, was worth from 16t. to 18t, per fathom, and it continues asgood in the drivage of the bottom. My opinion is that, if this mine be worked economically, it will very soon turn out to be one of great celebrity—such as Devon Great Consols, Prince of Wales, and others, and we shall find Gunnislake (Clitters') Mine recorded in the Dividend, instead of the progressive, List in your valuable Journal.—Gunnislake, June 18.

FRONTINO AND BOLIVIA GOLD MINING COMPANY.

FRONTINO AND BOLLVIA GOLD MINING COMPANY.

Sir.—I beg to call the attention of your readers to the resolutions passed at an extraordinary meeting of the shareholders, inserted in the Journal of to-day; and, in addition, to protest against the uncalled-for remarks of Mr. Ambrose Moore at the general meeting of shareholders. I have instructed my solicitor to institute an action against him for libel, feeling I have been greatly ill-used by his exparts statements.

Josiah Harris.

Meetings of Mining Companies.

ST. JOHN DEL REY MINING COMPANY.

The thirty-seventh annual meeting of shareholders was held at the London Tavern, on Wednesday,—Mr. J. D. PowLes in the chair.

Mr. J. Hockin (managing director) read the notice convening the meeting. The report of the directors (extracts from which appeared in last week's Journal) stated that the nett profit on the working of the mines for the year ending March, 1867, amounted to the sum of 109,407l. 15s. 8d.

COO, TOTO LOGO OC								
The financial	position	of	the	company	is	as	follows:-	

The mancial position of the company is as follows:—			
In England—Cash at Messrs, Barclay and Co. Cash in deposit with ditto at interest Cash in deposit with London Joint Stock Bank Cash in deposit with the Imperial Bank Cash in deposit with London and Westminster Bank	20,000 27,000 20,000	0	0 0
Total	£84,063	18	10
To pay—Drafts running Dividend now proposed Ten per cent thereon.	49,500	0	0 0
Total	£83,450	0	0
In Brazil—Cash at Morro Velho, on March 1	£ 7,470 18,934	14 15	11 2
Total	£26,405	9	1
To pay—Personal accounts Other liabilities in Brazil The estimate expenditure of working the mines for March	295	2	10
and April	20.000	0	0

Total£23,389 11 11
The reserve fund amounts to the sum of 42,163/. 18s. 6d.

tion to the reserve fund, &c., absorbed 51,8671. That left a profit of 69,814., out of which the directors recommended a dividend of 41. 10s, per share (free of income tax), which, with 10 per cent. carried to the reserve fund, would absorb 54,4501, leaving 63841, to be carried forward, less, however, about 1800t, which would have to be paid for income-tax. (Hear, hear.) It was with great satisfaction that the was in a position to recommend an increased dividend, and, at he same time, carry forward about 4500t towards the next half-year. (Hear, hear.) He might also mention that the whole of the charges of carrying on the company in England were paid out of the interest realised upon what he might term moneys in hand. (Hear, hear.) He then moved that the report and accounts be received and adopted.

Mr. HOCKIN (managing director), in reply to a question with reference to the Newcastle property, stated that the present net rentals returned about 2% per cent. per annum upon the capital, which was almost as much as would have been received had the money been invested in the Funds. The authorities of Newcastle were about to make a road through the upper part of the company's property, which hitherto had scarcely been of any value to them. There seemed no doubt that the whole of the property would considerably increase in value, and it would, in time, become very valuable.

After some further explanation of a minor character, the report and balancesheet was received and adopted. A dividend of 41.10s, per share (free of income tax) was declared. Mr. R. S. Illingworth was re-elected a director; and the auditors were re-appointed. A cordial vote of thanks to the Chairman and directors terminated the proceedings.

[Since the meeting the superintendent's observations on the operations of the

rectors terminated the proceedings.

[Since the meeting the superintendent's observations on the operations of the year have been received. The following is the concluding paragraph:—"The concluding observations which I had opportunity of making at the end of 1865, and the statements embodied therein, referring to the prospects we were entering on in 1866, have been more than fully realised, as the results of the working of that year now plainly demonstrate. Our prospects are certainly not less favourable for 1867. In all respects they afford ground for quite as great expectations. There is as large a lode of mineral to operate on. We have a larger force at command for its extraction than we had at the beginning of 1865. Our mechanical power is equally good; we have the requisite material, opportunity,

and means of performing as large duty; and there is every reason to look for quite as favourable and profitable results in 1867 as have yet been realised by the company's operations in Morro Velho—J. N. Gorbon, Superintendent."]

GREAT WHEAL VOR UNITED MINING COMPANY.

The quarterly general meeting of shareholders was held at the offices of the company, Gresham House, on Wednesday,
Mr. GEORGE NOAKES, F.G.S., in the chair.

Mr. GEORGE NOAKES, F.G.S., in the chair.
The notice convening the meeting having been read, the minutes
of the last were confirmed.
The CHAIRMAN said he would commence the business of the meeting
by reading the report of the committee of management, as follows:—

The CHAIRMAN said he would commence the business of the meeting by reading the report of the committee of management, as follows:—

The committee beg to state that, although the improvements in the 204, which were reported at the last general meeting, have not opened out so favourably as was then expected, the general condition of the mine is most satisfactory. The large available reserves, and the great extent of the ground now opening out, give assurance that the mine will long maintain its position. The important improvement in the bottom of Ivey's shaft, now worth 1001, per fathom, gives further confidence to the committee as to the permanency of the mine. The further confidence to the committee as to the permanency of the mine. The further confidence to the committee as to the permanency of the mine. The further to get under the hard floor of uncongenial ground that has intervened between the rich deposit above the 184, and that which the committee believe will be found below it. Already the altered nature and character of the ground in the bottom of Ivey's shaft gives the strongest grounds of encouragement for this assumption. The committee, therefore, have every confidence that the levels, which are about to be driven east and west from Ivey's shaft, will lay open tin ground that will materially add to thevalue of the mine. The lode in Edward's shaft will looks kindly, though as yet unproductive for th; the sinking of this shaft will be prosecuted with vigour. The new south lode has been cut at the 132, west of Metal shaft, and is of a very promising character.

The water-wheel and saw-mill have been renewed, with a view to economise the cost of the salving of timber, so largely required for the works of the mine. Every effort has been made to carry out the operations essential to large development with economy and efficiency: 75 fms. 3 ft. 7 in. of ground were sunk and driven in the two month's ending May: 733 tons of tinstuff raised in the month of May produced 56½ tons of black tin, being an average p

The committee, therefore, look forward with another the can have no doubt but large and profitable returns will be maintained.

He then read the report of the agents, as follows:—

June 18.—In handing you our report for the past quarter, we beg to say that Metal engine-shaft is sunk about 9 fms. below the 204 fathom level; we propose sinking 2 fms. more before driving a cross-cut to the lode. The 204 fm. level is driven west on the lode about 6 fathoms; the last 2 fms. passed through a lod about 9 ln. wide, worth 101, per fm. The 204 east has been driven about 3 fms.; in this driving the lode has been very small and poor. The 194 west is on a lode about 28 ln. wide, worth about 151, per fm., and a kindly end. The No. 1 winze, sinking below the 194 fm. level west is worth 101, per fm. The 174 east is worth 202, per fm. The 152 east is more allowed about 28 ln. wide, producing a little tha, but not to value. On the south lode in the 152, west of shaft, we are rising on a lode about 41 ft. wide, producing some fine stones of this but none of the stuff being yet sampled, we are not prepared to value it, as it is a new lode. We are driving a level on the same lode east, in the 132 fm. level; the lode is about 15 ln. wide, producing excellent stones of this; the lode in the present end appears to be increasing in size, and looking kindly to be more productive. The No. 4 winze, in the bottom of the 184 west, is worth 254, per fm. All the stopes in this part of the mine are looking well, and yielding their usual quantity of tin. Ivey's shaft is sunk about 9 fms. below the 184 fm. level; we expect to be deep enough for the 194, west of Metal, by the end of this month, when we propose fixing the plunger life, and drive east and west on the lode; for the last 16 fms. the lode has been gradually improving, now about 18 in. wide, worth 100, per fm; we shall, therefore, drive the 194 east and west from this shaft, on a lode worth 50, per fm. each, and be opening up very rich this ground; and as we have in reserve all the ric

addition to those sent you by Saturday's post. In conclusion, we are very sangule for the future of the mine, from the fact of our late improvements, rule for the future of the mine, from the fact of our late improvements the meeting, the agent report that the lode in Ivey's shaft and the 157, east and west of Ivey's, has considerably improved.]

The CHAIRMAN then stated that he thought the shareholders would find that a considerable improvement had taken place in the mine since he last had the pleasure of addressing them. It was scarcely known to those who have not had much to do with mines the care and anxiety it involved upon those who had the management, for, like a way ward child, a mine could never be kept as wanted. If there were productive courses of ore, there was the care as to whether they would one day become rich. Still, there was a great fascination about mining. He had had a great many years' experience, and heconfessed that the longer he lived the more he became attached to the pursuit of mining; for, although it entailed so much anxious care, there was something that always kept hope in play; there was a constant looking forward to the achievement of success by skill and the exercise of economy, and in the bringing forth of the treasures of the deep in such a way as to reward the shareholders for their enterprise and outlay. In forest Wheal Yor, like all other mines, there had been, so to speak, immense violations and the state of the state of the deep in such a way as to reward the shareholders for their enterprise and outlay. In forest Wheal Yor, like all other mines, there had been, so to speak, immense violations and the state of the state of the deep in such as way as to reward the shareholders for their enterprise and outlay. In forest Wheal Yor, like all other mines, there had been, so to speak, immense violation the state of the stat

passes but that their sampier tests a stone with the full conviction that it contained tin.

Mr. Cock enquired the depth to which the shaft had been sunk?—The CHAIR-MAN replied that it had been sunk to a depth of 100 fms., and he had no doubt they would have to sink some 80 fathoms more before the bunch of tin would be reached. It was impossible to tell, however, what would be discovered in the intermediate distance, for in the upper part of the mine, at a point where there were no favourable indications whatever, the rich bunches of tin were unexpectedly opened out.

Mr. Cook saked in what direction the lode lay?—The CHAIRMAN said there was scarcely any dip—if there were any, it was westward with the slide. Their

great object had been to keep their winzes well in advance, so that no that should be lost after the level was sunk—therefore, the shareholders are should be lost after the level was sunk—therefore, the shareholders are should be lost after the level was sunk—therefore, the shareholders are should be lost after the level was sunk—therefore, the shareholders when to suppose it better than it really was, that they possessed a really well had to suppose it better than it really was, that they possessed a really well had to suppose the term of the control of the provided provided the provided of the pro

Leaving balance for next account.....£2983 16

WHEAL TRELAWNY MINING COMPANY.

MHEAL TRELAWNY MINING COMPANY.

A general meeting of shareholders was held at the offices of the company, Bishopsgate-street, on Tuesday,

Mr. NICHOLSON in the chair.

Mr. W. J. LAVINGTON (the secretary) read the notice convening the meeting, and the minutes of the last were approved.

A statement of accounts was submitted, which showed a credit balance of 15267, 11s, 10d. The profits for the three months ending March amounted to 1407, 14s. 6d.

The report of the agents was read, as follows:-

March amounted to 1404. 14s, 6d.

The report of the agents was read, as follows:—

June 15.—Since our last general meeting we have driven the 210 fm. leveless cut east, at Trelawny's shaft, a little over 8 fms., and it is very gratifying is to see that in cutting through, the lode, which is 2 ft. wide, presents a me better appearance than in the level above at this point. These ends, both nor and south of the cross-cut will be pushed on most vigorously, believing we shat open out moderate tribute ground even before reaching the shoot of ore as down in the level above for upwards of 50 fms. in length, which we have before reported worth from 5t. to 30t. per fathom. In the 210, at Smith's shaft, we no opened out both north and south about 13 fms.; the lode in both ends is egeing out tribute ground. The 196, north of this shaft, is communicated sill Chippindaie's shaft. We have commenced to cut a plat, and hope to complete the same on or about our next setting-day. It has not only caused a good retilation, but the drawing of the stuff, and the end can be driven to a not greater advantage than heretofore. In the 196, south of shaft, the water list last few feet is considerably increased in the end, which has entirely driven the level above, and thus enabled us to sink a winze below this level, which down 3½ fms., in which the lode for the whole distance is worth 30t, per fathod with the series of the second protection of the s

time the quantity we generally do.—WM. JOHNS, T. GRENFELL, JOHN FRIOR.

THE CHAIRMAN moved that the report be received and entered on the minutes, and that the accounts be passed and allowed. The mine, is war glad to be able to state, was progressing most satisfactorily, and the small assort profit realised during the past quarter had arisen from the fact that the subbil had been unusually heavy, owing to an exceptional influx of water. Even appeared no doubt that during the current quarter more satisfactor resist would be realised, and the more especially if a slight advance took place in water of the motion, which, after a short decussion, was put and carried unanimously.

A dividend of 4s, per share was declared. A vote of thanks to the Chairman and directors terminated the proceedings.

FOREIGN MINES.

ST. JOHN DEL REY .- Morro Velho, May 17: The total produce of

The cost is unusually high, owing to a large quantity of steel borers and seel botter than in March, but the quantity so treated is much less; had we besset better than in March, but the quantity so treated is much less; had we besset to fully supply our stamps with stone throughout the month our profess would have been very much higher.

When reporting upon Maquine last month, I was of opinion that we had set reached the zone of the main deposits of gold. I am unwilling yet oblieve sence coincident with a change in the dip, it would seem as if we had raily reached the outer edge of the said zone. Be this, however, as it may, it is not sufficiently manifest to all that Maquine is a locality of magnificant sufficiently manifest to all that Maquine is a locality of magnificant primise. One nugget alone, extracted this month, measured in its rough state is inchested by a wide, and yielded about 1512 olts, of gold. By the sketches forwards last month it will be seen that we have three lines of gold, the excavation at the one yielding the riches at present is the deepest and the farthest easi, sid when the working on the others reach the same zone they may become rich a similar manner. The three lines, in fact, if we have traced the cust easi of the main deposits, may become confluent, but until Alle's jevel is comissioned to track the confluence of the main deposits, may become on fuent the custom of the custom of the custom of the custom deposits, may become on fuent to the custom of the custom deposits, may become on fuent, but until Alle's level is comissioned to the custom of the custom of

seat establishment of the driven to open a communication, and this we home and the strength fremain to be driven to open a communication, and this we home and the months of the commencement of another run of auriferous amples, and the point at Maquine has any change occurred calling for reasonable, and the point at Maquine has any change occurred calling for reasonable, and the point at Maquine has any change occurred calling for reasonable, and the point at Maquine has any change occurred calling for reasonable and the point of the

As Loo tons.
J. Sassam.—T. Rickard, Andeer, June 11: Ursera: The lode in mida gallery continues to be good; its valhe may be still set down as 35L alone and upwards; it is 4 ft. wide, producing its ore in a state of dredge, sof which is equal to 1 ton of washed ore. If this end is on the same lode ion which the level above has been driven, and it is more than probable it so, then a very singular turn has taken place in the underlie between rolerels. The drivage of the month (May) in the Cantina gallery was sittes: it is reason to force. it is o, then a very singular turn has taken place in the underlie between two levels. The drivage of the month (May) in the Cantina gallery was meres; it is re-set on former conditions—110 france per metre, to six men, rise behind this end is gone up 3:35 metres in the month; re-set to six men, rise behind this end is gone up 3:35 metres in the month; re-set to six men, rise behind this end is gone up 3:35 metres in the month; re-set to six men, rise behind this end is gone up 3:35 metres in the month; re-set to six men, rise behind this end is gone up 3:35 metres in the month; re-set to six men, rise behind this end is gone up 3:50 metres in the month; re-set to six men, rise in May; still without ore; price, 90 frs. per metre. The men belonged in the set of the present taken to sink in the bottom of the same gallar order that the ventilation of these levels may be effected with the least filled elay. It would be very inconvenient to do without that piece of work is logger. The upper calcina end has produced more ore in May than for mal months previously; the lode is 1 foot wide, with a small leader of good said may be valued at 10!. per fm. From what we have seen in that end yit would appear that a plece of ore ground has been passed over, and only touched in the sole of the level. We have, therefore, taken a part of the metres in May; there has been a further improvement in the lode there. Offin irribute. Delposes gallery was driven 1:15 metres in May; it is taken again by four men, at 20 frs. per metre, and find the propose gallery was driven 1:15 metres in May; its very daring the summer months, and return to driving again when the whiter is in the summer months, and return to driving again when the whiter is in the supportances there seem to be encouraging. We have opened seed this place, mostly on tribute, and this month's raisings will exceed on one at this mine, mostly on tribute, and this month's raisings will exceed on ore at this month, and return to driving again when the white the substance of th

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ries. We did begin accordingly, but after a few days we were compelled to cease working in consequence of a sudden return of the cold weather. This lasted a

ries. We did begin accordingly, but after a few days we were compelled to cease working in consequence of a sudden return of the sold weather. This lasted a short time only, and we are now, some days since, full at work again. Despite this drawback it may still be hoped that there will be a pile of ore ready for sampling at the end of the month. The miners have the last few days been set to work at the surface stopes at this mine, and a company have also been set to drive the S. Glovanni end, which it is likely is very near to entering upon the run of productive ground that gallery has been almed at.

CENTRAL AMERICAN.—Alotepeque, April 29: San Carlos Mine: The lode in Cerna's deep adit level, driving west, is about 1 ft. wide, composed chiefly of soft white flookan, porphyry, gossan, and mundle, and has a promising appearance. Some samples of gossan, of a congenial character, were broken on April 26 from the back of the level, and hope is entertained that the lode will soon change for the better, and become productive. A few small spots of argentiferous blende have been found on the south side of the lode, but not enough to value; the lode continues regular, and well defined. The level has been extended 8 fathoms in April. In the deep adit level, driving east, the lode is of the same character as when last reported on; about 4 feet wide, without ore. The level has been driven 9 fms. In April. Kemp's winze has been sunk 8 fms. from La Resperanza level, on an unproductive piece of Carrera's lode; this has been suspended, as it may be more easily and cheaply holed by rising from the deep level.—Stopes: The lode in the stope east of Garcia whize is about 10 in. wide, and producing 1 ton of lowley ore per fathom. The stope west of Mistun's rise, above the middle level, has failed a little, but is still worth about ½ ton of good ore per fathom. A stope has also been taken up under La Esperanza level, on the side lode, where some pretty good stones of ore have been found; we expect to obtain 1 ton of pretty good work

MINING NOTABILIA.

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

CASTELL CARN DOCHAN GOLD MINE.—The lode in the stopes im-

CASTELL CARN DOCHAN GOLD MINE.—The lode in the stopes improves, especially in No. 3 stope, and specks of visible gold are occasionally seen in the stuff.

WHEAL GRENVILLE is looking very promising for a discovery of copper ore in the 90 cross-cut, 110 cast, and new shaft sinking below the 120. In the former place grey ore of high produce is being broken.

At NORTH RETALLACK the addit level, continued from Great Retallack, is driven about 8 fms. towards the junction of the lodes. The ground is a light blue killas, very favourable for the production of silver-lead. This mine is a splendid speculation.

EAST WHEAL GRENVILLE has greatly improved in the 95 west, where the lode will turn out 2½ tons of good ore to the fathom. The shaft sinking below the 95 is down more than 8 fms., and the lode of a most favourable character. The 105 will be reached in about a month's time.

WEST GREAT WORK,—This mine is reported to be looking remarkably well. The shaft is now sinking below the 40 in a good course of tin. The 40 cast has much improved, now in the course of the dip of tin ground going down below the 30, and the 20 is worth fortin 14, per fathom; price for driving, 40s. They will aample next week a parcel of copper ore of good quality. This, with the sales of tin, must leave a nice balance in favour on the working of the mine for the three months.

with the sales of tin, must leave a nice balance in favour on the working of the mine for the three months.

GEBAT RETALLACK.—The 25 tons of silver-lead ores sold from this mine, on Tuesday, realised 304. 14s. per ton. This is a splendid sale, considering the depth of the mine, io first, below adit. The 20 will be reached in a few days, and, should it open only as good as the 10, there is every probability of the mine being at once worked at a good profit. The lode in the bottom of the shaft is 4 ft. wide, with splendid lumps of lead, and there is a body of water boiling up from the bottom of the shaft, indicating a course of lead not far distant. Nothing could be more satisfactory than the prospects and progress of this mine; and, as far as present appearances go, the adventurers are likely to be well rewarded for their enterprise.

WHITEWELL MINING COMPANY.—At the monthly meeting of the directors, held on June 13, a dividend of 10s. per share was declared.

WHEAL BULLER, in the course of 16 years, divided the enormous sum of 240,000L, and a large number of the adventurers fortunately cleared out at 1400L per share, after receiving hundreds of pounds in dividends, the original cost of the shares not being 3L each.

NORTH WHEAL CHIVEETON.—It is satisfactory to find that the sinking of the engine-shaft is progressing well, and the cross-cut to come under the collection of the care of the contract of the shares in the progressing well, and the cross-cut to come under the character grant therefore raid progress is being made

sum of 240,000f., and a large number of the adventurers fortunately cleared out at 1400f. per share, after receiving hundreds of pounds in dividends, the original cost of the shares not being 54. each.

NORTH WHEAL CHIVERTON.—It is satisfactory to find that the sinking of the engine-shaft is progressing well, and the cross-cut to come under this shaft is also in much easier ground, therefore rapid progress is being made in the development of the mine.

THE MARAZION DISTRICT.—Mining is looking upward here. At PROSFER UNITED large quantities of mineral are being sold, and as soon as the new stamping mill is at work the re-urms will considerably increase, having a large amount of ores that will pay for crushing. OLD NEPTUNE has been purchased, with the materials thereon, for further development, and in the new ground east a fine looking lode has been opened up, 12 ft. wide, for a considerable length, containing good stones of rich ores near the surface. Adjoining this ground case a fine looking lode has been opened up, 12 ft. wide, for a considerable length, containing good stones of rich ores near the surface. Adjoining this case, and the rest extending a cross-cut near 200 fras, which sook near two rest of accomplish, not selling a shilling's worth of mineral during the time, the worthy adventurers are now, however, likely to be well remunerated for their outlay and perseverance; the lode is large, containing rich ores, and met with in a long run of virgin or unwrough ground. The cross-cut or adit level, 46 fms. from surface, undoubtedly will turn out large quantities of mineral before pumping machinery will be required.

CHIVERTON MOOR.—Having on several occasions inspected this valuable property, without the least hesitation I can justly state there is not a mine in the West that presents such favourable indications of becoming ere long a permanent property, notwithstanding the many conflicting rumours concerning the Boundary question. It was duly considered by the adventurers, at a meeting held on the 12th in

[ADVERTISEMENTS.]

From Mr. EDWARD COOKE:—There has been a moderate amount of business transacted in the Mining Market during the week, and prices have been fairly sustained. Fluctuations have taken place in PRINCE OF WALES shares, but it has ended in a favourable direction. The mine continues to look well, and making good monthly profits. A dividend of 7s. 6d. per share was declared in Great Wheal Vor, on Wednesday last. This mine is impreving, especially at Ivey's shaft, where the lode is valued at 100? per fathom. New levels will be immediately commenced east and west at Ivey's shaft, on a lode worth in each end 50!, per fathom. The various points in operation are valued at from 340!, to 350!, per fathom in the aggregate. With a little further advance in the price of tin, Great Wheal Vor will soon be enabled to considerably enhance its profits to the shareholders. North Wheal Crofty shares have receded in price. This should only stimulate anyone who has money to lay out to buy the shares. I have not the least misgiving about the future of North Crofty. I am persuaded that it will become one of the most important and permanently productive mines in Cornwall, and the shares will ere long command a very much higher price. Wheal Jane is a tin mine, in 512 shares only. A very important discovery is reported to have taken place in this mine recently. I have been informed that the machinery is worth some 5000. or 5000!, or equal to about 10!, per share, while the shares are only about 6! to 8!, and the mine returning large quantities of tin. It is by buying into such mines as this that money is made by an outlay. Great Retailack and West Chiverton; and I look forward with very great confidence to see North Wheal Chiverton rivaling even the latter great mine in its returns of lead, and thus add another success to the Chiverton district. The great and principal object is to see the lode at and below the 90. This lode is aiready productive to the extent of from 5 owts. to 20 owts. of silver-lead per fathom. Several improvements are repo From Mr. EDWARD COOKE:-There has been a moderate amount

VILLE is said to be looking very well in its prospects, and that the shares are likely to attain the price they were some two years since—10t. to 11t. Although I do not endorse this, I consider there is a good margin for a rise. EAST ROSE-WARNS shares have advanced to 7s. 6d., but even at this price they are ridiculously low. As a speculation they are cheap at 20s. A call of 1t. 7s. 6d. was made on Wednesday last on CLIFFORD shares. In next week's Journal I hope to make a few observations on those important mines. The gold mining shares still command a good deal of attention, and most deservedly so, when such monthly profits are realised as are shown by the returns from St. John del Rey, Don Pedro, Pestarena, &c.

A new company has been formed to work the TAQUARIL MINES, situate in the locality of St. John del Rey and Don Pedro North del Rey. There is a very highly respectable direction and secretary; and, judging from the various reports, the property appears to contain all the elements necessary to success. The terms upon which the shares may be acquired is very moderate, and no doubt they will soon be all readily subscribed for. Rossa GRANDE shares now command a premium, and those who succeed in obtaining an allotment of the last issue will, no doubt, make a good profit. The shareholders in CHONTALES are likely soon to be amply repaid for their outlay and the patience they have manifested. The returns of gold will, I think, soon convince the public that the Chontales Mines are second searcely to any of the most profitable gold mines now before the public, and I recommend an immediate purchase of the fully paid ordinary and royalty shares.

From Mr. J. B. REYNOLDS:—Money is literally a "drug" on the

now before the public, and I recommend an immediate purchase of the fully paid ordinary and royalty shares.

From Mr. J. B. REYNOLDS:—Money is literally a "drug" on the market, and there is a prospect of the minimum rate being reduced to below 2½ per cent, even. Under these circumstances, I am not surprised at being able to record that the markets for good securities present an animated appearance, Every now and then, however, a rude shock is experienced at discreditable disclosures in connection with companies which up to a recent date enjoyed very great confidence. In the railway market great uneasiness has been observable in the cases of one or two lines, and financial schemes exhibit nothing worthy of notice, for the public have learned that it is not only unsatisfactory, but highly dangerous, to follow those who favour such description of investment. The Mining Market indicates a strong desire on the part of the public to be better informed concerning "Mining as an investment." There can be no question as to the great chances of extraordinary success those have who invest a moderate sum in certain progressive mines at present low rates, and, therefore, I would suggest that my readers should, without loss of time, acquaint themselves with properties of merit. People should take care, however, not to be taker off their guard in the hour of exottement. I need only remind my friends of the history of the mining market during the last five years to lilustrate what I mean. There are many non-market mines which present features of extraordinary merit, and the shareholders in which are not being constantly alarmed as to the result of combinations which may be formed either for or against them. Providing, of course, that the management is such as it should be, I confess to a strong liking for non-market mines, as a rule.

From Messrs, WARD and JACKMAN:—Symptoms of returning pro-

combinations which may be formed either for or against them. Providing, of course, that the management is such as it should be, I confess to a strong liking for non-market mines, as a rule.

From Messrs, WARD and JACKMAN:—Symptoms of returning prosperity for mining are unmistakably presenting themselves, and many mines which have suffered extreme depression, in numerous instances even to the extent of less than the value of their machinery, are being resuscitated, and again commanding the notice of the investing public. CLIFFORD AMALGAMATED never looked better than at the present time; the water which caused so much anxiety some time since is in fork, and, in addition to the best course of ore ever seen there, another splendid lode has been met with at Francis's shaft, which is now being cut into, and as far as seen is worth full 7 tons per fathom. Should the present prospects continue the shares must advance considerably. The different points of operation at WHEAL BULLER are valued this week at 1627, per fathom, and the appearance of the mine generally is looking well. WHEAL AGAR addina East Pool on the north-cast. The north lode of East Pool, underlying north, is expected to be cut in the old whim-shaft almost daily; this lode at the boundary of East Pool and he north-cast. The north lode of East Pool and Polity in the lofe fine. In the logent in the logent in this district. From another lode or the Wheal Agar adventurers to be one of the richest in this district. From another lode or the wheal Agar adventurers to be one of the richest in this district. From another lode or the wheal agar adventurers to be one of the richest in this district. From another lode roturns sufficient to meet half the monthly cost are made. The western shaft is being sunk as rapidly as possible, to cut the celebrated Old Pool lode, which has returned very great profits to the west. Twelve months hence it is likely this may be one of the brightest mines in the district. At East Grenntlate, the lode in the 95 is gradually improving,

From Mr. Edward Brewis:—Week after week I have written of the improving times, and, looking over a list of twenty mines, I find them to have risen, on the average, all round 20 per cent. in four weeks. Surely this is convincing proof that, where proper discrimination is used, the investor reaps the advantage. Chiverion Moons, within the last four days, have risen from a to 5½, 5½, and CLIFFORDS, which the present low copper standard is affecting so much, are 7½ to 8 again—a rise of more than 50 per cent. in three weeks. West CHIVERTONS are steady at 66 to 68, and CHIVERTONS are 16½ buyers, which ought to be bought forthwith, seeing the position the mine is now in, and shares are cheap at anything under 81, or 94, and sure to rise. North CROFTY, 3½ to 4, or a decline of ½; but GREAT VORS, another tin mine, are firmer, at 19 to 19½, ex div. of 7s. 6d., and the mine is reported to be looking rich again. SOUTH CONDURROW, from its situation, is worth buying into, the price is only ¾, to 3¼, and my friends who buy at these prices will be able to make a large profit before many weeks are past.—P.S. CHIVERTONS close at 6¾ to 7½, and not a moment should be lost in buying them. Don Pedro North Bel Reys, I am pleased to say, have risen to 3½, 4½ prem. From Mr. EDWARD BREWIS:—Week after week I have written of

Died, at Camborne, on June 16, aged 77, Capt. NICHOLAS VIVIAN, one of the oldest and most experienced mine agents in Cornwall. He enjoyed a high reputation, both for professional knowledge as well as for integrity and frankness, and had for many years conducted the operations of large and important mines with credit to himself and with satisfaction to those connected with him.

MR. THOMAS SPARGO, STOCK AND SHARE DEALER, 224 & 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C., TRANSACTS EVERY DESCRIPTION OF BUSINESS in the PURCHASE and SALE of SHARES IN BANKS, CANALS, MINES, RALLWAYS, BRIDGES, INSURANCES, and ALL OTHER BRITISH and FOREIGN STOCK. Mr. SPARGO has for sale shares in English mines paying regular dividends bi-monthly and quarterly, as also a number of shares in good progressive mines, some of which he with confidence specially recommends to the public as sound investments.

bi-monthly and quarterly, as also a number of shares in good progressive mines, some of which he with confidence specially recommends to the public as sound investments.

Mr. SPARGO gives every information as to position and prospects of all mining undertakings, upon application, either personally or by letter, and is enabled, through his, and the most reliable information as to the numerous mines in those districts. He will at all times give the best advice as to investments in mines, and, if necessary, inspect them himself; as in all cases he wishes to be guided by the intrinsic value of the property, and, if required, will furnish a selected list of dividend and progressive companies.

Mr. SPARGO has published the following works, viz.:—

Statistics and Observations upon the Mines of Cornwall, 1859—2s. 6d.

Ditto ditto ditto 1869, price 2s. 6d.

Ditto ditto ditto 1869, price 2s. 6d.

Ditto ditto ditto 1864, price 5s.

Ditto ditto ditto 1864, price 5s.

Ditto ditto ditto 1864, price 5s.

Ditto ditto three colours, showing distinctly the mining districts, the height of the hills, &c. Price 10s. 6d., on cloth and rollers.

Geological Maps of the various mining districts, showing the boundary line of each mine, with the lodes, cross-courses, and elvan courses traversing the same. Price 2s. 6d. each.

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Dividends received, claus paid, and an orders promptly negociated. Commission 1½ per cent.

Mr. Spango has 25 years' experience of mining, 10 of which he was engaged in practical mining, and 15 years he has transacted business in mining shares and stock, at 224 and 225, Gresham House, Old Broad-street, City, E.C.

Mr. Spango's Statistics for 1866 are now ready.

Bankers: Consolidated Bank, Lhreadneedle.street.

UIDE TO INVESTORS.—Mr. SPARGO'S "Guide to Investors" for the present month contains a Tabular Statement of Banking, Mining, other Companies; City and Commercial Facts and Incidents; and a Price List of Shares in Banks, Canals, Railways, Bridges, and Finance Companies. It also contains Rate of Discount at Home and Abroad; together with necessary detailed information connected with the Stock and Share Markets, Mines, and Miscellaneous Companies. The City Article affords the most recent and authentic information concerning the stock, share, and produce markets. 224 and 225, Gresham House, Old Broad-street, London, E.C., June, 1867.

M R. T. L. CO T T I N G H A M,
MINING ENGINEER, VIEWER, AND AGENT
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SLATE QUARRY REPORTS.—JOHN BOWER, D.C.L. Oxon, Barrister-at-law, who has been for nine years Manager and Director of Barrister-at-law, who has been for nine years Manager and Director of the Snowdon Slate Quarries Company (Limited), is PREPARED to INSPECT and REFORT on any QUARRY or SLATE VEIN in NORTH WALES, and his EFORT would include every fact FAVOURABLE or UNFAVOURABLE.

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Mining Correspondence.

BRITISH MINES.

BRIPTORD UNITED.—J. Philips, June 19: The stopes throughout the mine look in the 90 cast is a ft. wide, carrying a leader 12 in. wide, producing saving work. The look in the 70 cast is 16: wide, carrying a leader 12 in. wide, producing saving work. The look in the 70 cast is 10 in which year of the 10 cast is 10 cast in 10 cast

plocked on the flooring ready to crush; we intend to separate all the stuff we have on surface before we crush again. We have a good supply of water for our machinery, and the pond is quite full.

EAST BOTTLE HILL.—J. Eddy, June 20: The lode in the end, driving east of the western shaft, is from 4 to 5 ft. wide, but for the present the produce for tin is rather low. The lode in the stopes, about 3 fms. west of the present end, is about the same size, and turning out some very good work for tin. We are getting on with our stamping and dressing as fast as possible.

EAST LAXEY.—W. H. Rowe, June 5: The lode in the 20 north is regularly improving. There is now almost a continuous leader of rich copper ore, from 1 to 3 inches wide, and the general character of the lode is highly encouraging.

EAST GUNNISLAKE.—James Phillips, June 20: Since last reported on we have met with another limb of the cross-course in the 54, west of Gard's shaft, which we have just pricked through, but not sufficiently to see anything of the lode west of it. This we hope to be the last we shall have to pass, therefore we look forward to an early improvement at this point. The shallow adit, and the cross-cour north of rise, in the back of the same, are without change.

EAST GUNNISLAKE AND SOUTH BEDFORD CONSOLS.—James Phillips, June 13: In the 54, west of Gard's shaft, the north and south branches are verging very fast towards each other, and will form a junction at about 5 or 6 ft. west of the present end; they are of the same composition as when last reported on, and the country is a little more settled. The lode in the shallow

adit still continues large, carrying in the middle a very pretty leader, about 10 in. wide, composed of peach, prian, mundic, and a little very good black or The cross-cut north of the rise is not yet through the lode, which is composed or the cross-cut north of the rise is not yet through the lode, which is composed to the composed of the composed

adit still continues large, carrying in the middle a very pretty leader, about 10 in, wide, composed of peach, prian, mundie, and a little very good black ore. The cross-cut north of the rise is not yet through the lode, which is composed of spar and mundie.

EAST NEPTUNE.—P. Floyd, June 20: Hosking's shaft, sinking below the 15 fm. level, on the flookan part, and we do not intend taking down anymore lode before we communicate with the 25 cross-cut, when we shall be well ventilated, and be in a position to stope on the course of the lode, both east and west of sald winze.

EAST ROSEWARNE.—C. Glason, June 20: The lode in King's shaft, sinking below the 95 fm. level, is 1 ft. wide, worth 5t. per fathom for the length of the shaft. The lode in the 95 fm. level, east of King's shaft, is very much the same as reported last week, producing stones of copper ore. In the 95 fm. level, east of King's shaft, the lode is 8 in ches wide, worth 4t. per fathom. In the 85 fm. level, west of King's shaft, the lode is 8 in ches wide, worth 4t. per fathom in the shaft. The shaft of King's shaft, the lode is 8 in ches wide, worth 4t. per fathom in the 82 cast, is making further up than when last reported on. We are making fair progress in rising above the 70. The 30 cast is opening tribute ground. The pitches throughout the mine look just as they did at the setting.

EAST SNAEFELL.—W. H. Rowe, June 19: I have again arranged the bargains for another four weeks. The 15 forchead, instead of being double the distance driven, as the nature of the ground led me to expect last month, is only 3½ fms. from shaft. This however, of course, could not be foreseen, but is more disappointing at present, being anxious to get into the run of the shoot of ore. In order to be better astisfaned as to this, I have decided on fixing a small sollar, or polatform, in the shaft, about 8 fms. above the 15, and drive in a little upon the ore passed through. I hope to be fully underway with this next week; is weaking, at a present proper shaft, this week. Th

lode in this at work it is the wide and improving: it will now produce from I to I it's one of ore per fathom, and from the features it is presenting we anticipate a greater improvement, Two stopes above this level are worth 1/8 and I tons from the feature of the control of t

when the 86 is driven under it. The lode in King's shaft has a story which may possibly be the siller we neet with its Stepen influent property of the siller was not with the Stepen influent property of the siller was not a state of the siller wa

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THE MINING TOURNAL.

NEW TELEKGH.—S. Michell, June 20: The 60, west of the new shaft, is new the succession of the succession of the south has intersected looking better since yesterday; a branch of ore from the south has intersected looking better since yesterday; a branch of ore from the south has intersected looking better since yesterday; a branch of ore from the south has intersected looking better since yesterday; a branch of ore from the south has intersected looking better since yes and apparently setting clear of the unproductive stratum. From the wind of the south of the six yielding ore; the lode is larger, and showing green carbonate of repet in the upper parts of the level. The lode in bottom of the new shaft is coloring spots of low the 60 west. There is nothing new in the cross-cut of the making if irms. For the first part west. The trial shaft is down 21 fms.; the lode continues to 70 for the past west. The trial shaft is sown 21 fms.; the lode continues to 70 for the past west. The trial shaft is sown 21 fms.; the lode continues to 70 for the past west. The trial shaft is swar water that we have met with in the 60 has much increased the speed of our engine.

"The William of the sum of the continue of the sum of the first parts of the sum of the sum

for miret, from Noskey's shaft, at the old mine, by four men, at 41. per fathom, fully believed the changes are very good for meeting with an important disfully believed. The engine is working well, and keeps the water at four strokes per minute, and costs casy.

NORTH LEVANT.—J. Bennetts, J. Thomas, June 19: The 115 is driving east NORTH LEVANT.—J. Bennetts, J. Thomas, June 19: The 115 is driving east we have enamenced a winze to sink to the 115 fm. level for ventilation; working at have commenced a winze to sink to the 115 fm. level for ventilation; working at have commenced a winze to sink to the 115 fm. level for ventilation; working at have commenced a winze to sink to the 115 fm. level for ventilation; working at 12, per fathom, lode worth 12, 10s, per fathom. The 100 is driving east working at 20, per fathom, is worth 11. 10s, per fathom. The 85 is driving east working at 20, per fathom, lode worth 22, per fathom. The 67 m. level is driven at 22, per fm., per fathom, lode worth 12, per fathom. The 67 m. level is driven at 22, per fm., per fathom, lode worth 12, per fathom. We have 13 pitches, working at tributes varying fm 14s, to 18s, in 11.

The 160, to drive west, on south side of the lode, by six men, at 10t, per fathom; the ground is favourable killas, carrying a leader on the wall of the lode, composed of peach, flookan, mundle, and spots of copperore. The 140, to drive west cat north into the lode from the 140 west by four men, at 171, per fathom; thus far the lode is composed of capel and peach, and presents an improved appearance from the same part of the lode, she six men, at 61, per fathom; thus far the lode is composed of capel and peach, and presents an improved appearance from the same part of the lode in the No. 3 cross-cut. We calculate to have to drive about 6 ft. more to reach the ore-producing part. All the traming and siling in the mine by one man and one boy, at 51, 10s, per month.

NORTH POOL.—J. Vivian and Son, F. Clymo, June 17: We have to-day let the 60 fm. level to drive west of

are not yet certain whether or not we have got on the right part of the lodeconsider the prospects of the mine very enceuraging at present on the
didle lode. ETALLACK.—G. R. Odgers, June 19: In the adit driving north
in the boundary shaft we are getting into blue killas, which I look upon as
ing very favourable for lead.

ORTH RESKERBY.—R. Pryor, J. Tregoning, T. Jenkin, June 20: There
so change to report on in any of our ends and bargains since we issued our
offor the meeting, with the exception of the 120, cast of Tresidder's shaft,
the is looking a little better.

ORTH WHEAL CHIVERTON.—W. Hancock, July 17: Setting report: The
fine-shaft to case and divide from the 54 to its present depth, pent-house to
out, new one to fix, small plat to cut, and to sink 3 fms. below, by 12 men,
bargain 80l.; shaft now 13 fms. 3 ft. below the 84. The cross-cut to drive
the of Mew's shaft at the 80, towards the new engine-shaft, by six men, 4 fms.

98. per fathom; driven last month 8 fms. We calculate to commence rising
inst the engine-shaft in about three weeks more; no time will be lost to
et the communication. The 80 to drive wost of Mew's shaft, on the north
of the lode, by four men, 3 fms. at 70s, per fathom; ground and lode imwel, especially towards the bottom of the level, producing now 3 cwts. of silclad per fathom. This is a most promising end, and only carrying about
ft, of the lode; when last cut through it was 10 ft. wide; after driving this
ain we shall cut through it again. The 80 to drive east of old sump-shaft,
the north part of the lode, by four men, the month, at 10s, per fm.; the lode
mored of quartz, mundic, capel, and spots of silver-lead, and shows signs
mprovement as we advance. A winze to sink below the 70, east of old sumpshaft, on No. 2 lode, by two men, the month, at 80s, per fm., and los,
sue; the lode is 3 ft. wide, producing 1 ton of blende per fm., and stones of
the time dependence of the 80 fm. level end. The 43 to drive west of the now,
the month, at 13s, 4d. in 14. To fill and land all

en, the month, at 13s. 4d. in 12. To fill and land all the stuff at the different aft, by three men, or more if required, for two months, at 21. 10s, per month, he machinery and pitwork all in good trim, and the setting and pay passed most astisfactorily.

6.D. GUNNISLAKE.—H. Rickard, June 19: The ground in the 48, east from acter's shaft, has a little improved for driving, and the men are making good ogress. We have just pricked the wall of the lode in the 48 west, west of the secourse, but cannot say anything as to size. The engine is working very ill, and water moderately easy.

8. June 18: Sump: We prove the cannot say anything as to size. The ongine is working very ill, and water moderately easy.

9. June 18: Sump: We presented working in the 130 and 140 fm. levels during the week, in seaguence of repairs to the cylinder and well-work of the pumping-engine.

9. July 18: July 1

WALES.—J. Hitchins, J. Gifford, W. Gifford, June 19: The 55 down the north part is worth full 30!, per fm.—a large, strong down the north part is worth and worth 50!, per fm. The two west in taking down the north part is worth full low. Further, which are tooked. In the 56 cast the lode is 3½ ft. wide, and worth 50!, per fm. The two stopes, east and west of the winze, in the back of this level, are worth 36!, per fathom each. In the 45 west the lode is 6 ft. wide, worth 30!, per fm., and we fully expect that when we get west of the sparry crosshead now in the end we fully expect that when we get west of the sparry crosshead now in the end we fully expect that when we get west of the sparry crosshead now in the end we fully expect and making towards the north or main lode; it is 6 in. wide, 4 in. of which is good black and grey ore, worth 10!, per fm.; the main part is fall 18 in., with ore interiors, and when the two join we fully expect a good predarate lode. To interinized, and when the two join we fully expect a good predarate lode. The training of the full expect improvements in the 45, both east and west.

REMOOR.—T. Taylor, June 20: We are pushing on the cross-cuts north and senth with all speed; there is no particular alteration in the character of the ground, we still intersecting small branches, containing mundic and spots of copper ore.

ground, we are still intersecting small branches, containing mundle and spots of copper one.

REINNIE LAXEY.—W. H. Rowe, June 11: In the sump below the 30, at the engine-shaft, the lode is of a more promising character of late; it is from 4 feet. to 5 feet when the shore the deep adit I am glad to find we are through the hard bar of ground below ended to the rise above the deep adit I am glad to find we are through the hard bar of ground below the shore the deep adit. I am glad to find we are through the hard bar of ground below the state of the shore the spots of the state of the st

sired the desirable work shall be completed in as short a time, and when a tipene, as possible.

ROSELFFE AND TOLCARNE.—E. Pryor, Jas. Phillips, June 19: We set the following bargains on Friday last:—The 50 fm. level cross-cut to drive north of Lindo's engine-shaft, by six men, at 31, per fathom, or 31. 7s. 6d., if 11 fms. are driven; the end is in a beautiful channel of mineralised ground, and we are eiten meeting with branches which contain silver-lead. The 30 cross-cut to drive south, in order to cut No. 4 lode, which is heaved by the influence of the

great flookan, by three men, at 2l. per fathom. The stopes in back of this level, east of the cross-cut, by two men and two boys, at 10s. per fathom; lode worth 8l. per fathom. The 30 to drive east of the old engine-shaft, by two men, at 3l. per fathom; we intend driving a little east of shaft, and then cross-cut north to cut the main part of the lode, which is standing to the north part of the shaft. Our surface work is progressing satisfactorily. Our pay and setting passed off exceedingly well.

Our surface work is progressing satisfactorily. Our pay and setting passed off exceedingly well exceedingly sufficiently. ROSEWARNE CONSOLS.—R. Nuckey, June 15: At our usual survey, to-day, the following work was set:—The 10 fm. level to drive east by eight men, at 51. 10s. per fathom; lode 6 in. wide, and contains a little ore. The back of the 80 east to stope by four men, at 21. per fathom; lode worth 3t, per fathom. The 80, to drive west of sump, by three men and three boys, at 21. los, per fathom; lode 1 ft. wide, and looks promising for ore. The 70, to drive west of sump, by three men and three boys, at 22. los, per fathom; lode 3 ft. wide, letting out a great quantity of water, and has a good appearance. Both this end and the 80 are likely to do well if driven to the caunter, which is about 20 fms. before the end. We have also set two pitches on copper at 13s. 4d. in 11.; and two pitches on tin, in the north part of the sett, at 15s. in 11.

ROYALTON.—J. Parkyn, June 20: The prospects of the mine are still good, and the yield of tin from the stamps this month is satisfactory, and will be over last month's returns. We are raising the tin from the open cutting only, which is 6 fms. from surface; we are taking away the lode like a quarry, which is 12 fms. wide, and are now going west of the engine-shaft. Our next stope will be better, down deeper in the lode, and below the old workers. I consider your prospects are very good.

SCHETRIFICER CONSOLS.—J. Elchards, June 20: Good progress is being made

ROYALTON.—J. Parkyn, June 20; The prospects of the mine are still good, and the yield of tin from the stamps this month; is attainatorry, and will be over head of the fine. From surface; we are taking the way then the late contingently, which is the fine. From surface; we are taking the way then the late of the prospect is the fine. From surface; we are taking the way then the late of the prospect is the fine. From surface; we are taking the way then the surface of the prospect is the surface. The surface is the surface of th

the south part, the lode is worth 161. per fathom for tin. In the es west, on the south part, the lode is at present small and unproductive. In the winze under the 65, on the north part, the lode is 1 ft. wide, producing 2 tons of ore per fathom.

WEST CWM ERFIN.—June 18: The lode at the adit level, east of engine-shafe, is 3½ feet wide, composed of clay-slate, spar, and blende, intermixed throughout with small strings of lead ore, but not of any moment; ground rather soft, and letting down a good deal of water; lot to four men, at 51. 12a. 6d. per fathom. At the cross-out borth in this level, within the last father soft, and letting down a good deal of water; lot to four men, at 51. 12a. 6d. per fathom. At the cross-out borth in this level, within the last father soft, and letting down a good deal of water; lot to four men, at 51. 10a. per fathom. The south lode at the shallow add tlevel, from side of the hill, is 5 ft. wide, yielding good stones of lead ore at times, and of a promising appearance; let to four men, at 41. 10a. per fathom.

WEST GODOLPHIN.—J. Vivian and Son, J. Pope, jun., June 18: There is no particular alteration in the mine since our report last week. The operations are being carried on quite as satisfactorily, and the mine is opening out favourably. WEST GREAT WORK.—Sam J. Reed, June 19: The great north lode in the flat-rod shaft, sinking below the 40, is 2 feet wide, composed of mundic, quartz, and chlorides worth 121. per fathom for tin. In the 40 east the lode is 3ft. wide, much improved in the past two days, and worth 104. per fathom. In the 30 the lode in the winze is worth 111. per fathom of the stopes in back of this level are worth on an average 6f. per fathom. The 20, east from the said shaft, has much improved, now 2½ ft. wide, and worth for tin 124. to 144, per fathom, diving at 40s. per fathom. The rise in back of this level as worth or tin 37. per fathom. We are preparing a parcel of copper ore for the sampling on Tuesday next.

WEST ST. IVES,—T. Uren, June 19: Since last repor

about 70%.

WHEAL BULLER.—Jas. Inch, J. Brown, June 19: Stevens's Shaft; The 92 east is worth for tin 51, per fathom. The stope in the back of this level is worth 151, per fathom. The 92 west is poor, but has a most promising appearance. The 80 east is worth 151, per fathom. The winze sinking under this level is worth 301, per fathom. The stope under this level, west of the cross-course, is east is worth 15l. per fatho The 80 cast

worth 30l. per fathom. The stope in the back of this level is worth 15l. per fm. The winze under this level, west of shaft, is worth 25l. per fathom. The 70 east is producing good stones of tin, and kindly to improve.—Kistic's Shaft. No improvement in the 90 since last reported. The winze under the 80, west of shaft, is looking well for tin, worth 30l, per fathom for the part of the lode carrying. We have sent to the smelting-house this day about 11 tons of tin.

WHEAL CREBOK.—J. Gilford, June 19: In the 120, both east and west, we shall begin to take down lode to-morrow. No change to notice in the 96 fathom level cross-cut south. The same remark will suffice for the 84 east. The tribute pitches are looking much as usual, and the tributers getting wages.

WHEAL GRENVILLE.—G. R. Odgers, W. Bennetts, June 15: The lode in the 110, east of the engine-shaft, on the old lode, is 18 in, wide, of quartz, iron, &c., with grey ore intermixed, worth about 1 ton to the fathom; this lode is letting out a great deal of water, which indicates an improvement. The men are making good progress with the sinking of the new shaft below the 120, the lode in which is 2 ft. wide, of quartz, gossan, and prian, that yields a little tin and malicable copper. The lode in the 120 west is 20 in, wide, with gossan and quartz, in which we find a little copper ore. The lode in the 100 west is 22 ft. wide, and worth 61. per fathom. The lode in the 100, east of the shaft, is from 1ft. to 15 in. wide, we find a little tin. The lode in the 100 west is 22 ft. wide, and worth 62 per fathom. The lode in the 100, east of the shaft, is from 1ft. to 15 in. wide, we find the proper shaft, is more lossed in the 120, east of the shaft, is from 1ft. to 15 in. wide, of friable quartz, &c. In the 96 fm. level cross-cut north we have placed the men to rise on the lode, on which we have opened east 4 fathoms. We Intend to carry the rise 9 ft. long, and which will produce fully 1 ton of good ore to the fathom. The ore is of much the same character as that raised

aunter Lode: In the winze, sinking below the 65 fm. level, the lode is worth 01, per fathom.
WHEAL UNY.—Samuel Coade, Matthew Rogers, June 15: The lode in the 130, ast of engine-shaft, is worth 151, per fathom. The 120, east of engine-shaft, is oking better. The 130, east and west of incline shaft, is driven through the orse of poor ground, and we shall ascertain its value in a few days. We have old, to-day, 8 tons 13 cwts. 0 qrs. 9 lbs. of black tin to Daubuz and Co., at 491.

looking better. And we shall ascertain to be better. And to be be seen and to sold, to-day, 8 tons 13 cwts. 6 qrs. 9 lbs. of black tin to Daubuz and to, as the sold, to-day, 8 tons 13 cwts. 6 qrs. 9 lbs. of black tin to Daubuz and to, as the sold, to-day, 8 tons 13 cwts. 6 qrs. 9 lbs. of black tin to Daubuz and co, as the sold tin the north look, we have met with some branches at the point we expected to find the north lode, and are sinking a little on them, to prove whether these are, as we expect, the lodes. We do not expect to find the lode very well defined until we get under the quarry, probably, about 5 or 6 fathoms.

MINING IN AUSTRALASIA—MONTHLY SUMMARY.

IRON AND COAL IN AUSTRALIA.—On April 4 the Sobraon cleared out at Sydney for London, with 5222 bales wool, 11,683 bags copper ore, and 100 tons of Iron manufactured at the Fitzroy Iron Company's works in New South Wales. This quantity reminds me of the like produced in Sweden by a family operating with their own strength and local resources. I am told that the family operating with their own strength and local resources. I am told that the family referred to commenced upon such a limited scale that their first year's production was only 100 tons, for which they obtained 175, per ton, realising an aggregate of 17001, for their year's work. In process of time the iron they produced was found to make superior steel, and became readily saleable at 271, per ton in England. I believe it is from similar small beginings that we must expect to realise the hopes of those who wish to see South Australia become a producer of fine iron or steel from her own ores with her own fuel. But a new prospect for Australian industry now presents itself in the Corinella coal field of Western Port, Victoria. A further report from that field is said to be so highly satisfactory that he prometers already contemplate a market among the copper smelters of this province, as a prelude to the extensive use of their coal, for the purpose of turning to profitable account the rich iron ores of South Australia. The British colones of South Wales and the North of England now take back as ballast thousands of tons of iron ores per month raised in Devon and Cornwall; and as the Corinella coal field of Victoria becomes a great success, there is no reason why the coastwise colliers to us from that field should not take back iron ores as ballast, thus favouring vigorous attempts in the manufacture of iron at both ends of the new maritime coal line.—D.: Adelated Observer.

BURRA BURRA MINE.—From the South Australian Mining Asso-BURRA BURRA MINE.—From the South Australian Mining Association annual report we learn that the directors have suspended the workings at the Burra, but there is every hope of their being by-and-bye resumed, to the advantage and profit of all concerned. As showing the continued richness of the mine, the directors state that although the workings during the last half-year have been on a limited scale, there has been raised 2534 tons of ore, giving an estimated average of 21% per cent of metallic copper. The cost of working, however, and the low price which has lately ruled in the copper market, will not admit of the mine being carried on profitably at the present moment. From the financial statements it appears that the operations during the year ending Sept 29 last, including the raising of 5500 tons of ore, were attended with a loss of 15,6381.; but, from the nature of the reports, there is every reason to hope that the directors' expectations as to future workings will be more than realised.

AUSTRALIAN MINES.

AUSTRALIAN MINES.

YUDANAMUTANA COPPER.—The superintendent, April 18, writes:—
"Since my last (March 29) I have shipped 45 tens of copper, and have in addition about 23 tens at the mine and in course of transit to port. We have on hand about 230 tens at the mine and in course of transit to port. We have on hand about 230 tens at the mine and in course of transit to port. We have on hand for another 10,000 tens." Captain Anthony (April 29) reports:—"Blinman Mine: The men are still stoping the 10 fm. level. Ore broken during month 35 tens, of 14 per cent. Ore smelted during month 76 tens of burrows, 127 tens of smalls, and 25 tens of mixed ores; copper made therefrom, 30 tens, 127 tens of smalls, and 25 tens of mixed ores; copper made therefrom, 30 tens, 127 tens of smalls, and 25 tens of mixed fallen, which will greatly tend to our advantage."

WORTHING.—Adelaide, April 27: The sinking of Legg's engine-shaft is not progressing very fast, in consequence of a hard floor crossing the shaft, but it is hoped this will not last long. The ground in the cross-cut west is easler, and small branches of ore running parallel with this flookan have been met with, indicating the near approach to a lode. The stopes thoroughout the mine are about the same as last reported. The financial statement shows a balance of 721. 6s. 7d. due by the bank, in addition to 70 tons of regulus delivered, but not drawn against, and 9 tons on hand. The stock of wood on han 1 is sufficient to insure against delays in smelting during the ploughing season, upwards of 200 tons having been received in the month, Quantity of ore raised during the month 230 tons, of about 11 per cent. The number of hands employed is 1344. Regulus made in the month, 76 tons.

Great Northern Copper,—Capt. Tonkin (April 20) reports:—Nuccalena Mine: The lode in the end south of long cross-cut looks much the same as when last reported. Any miner would say that this lode would make ore in paying quantities after a few fathoms driving; the best part of it is in the bottom of

ment of 100 tons of corper had been made

ment of 100 tons of copper had been made.

FORTUNE COPPER (W.A.),—Capt. Penberthy (March 30) reports:—
The lode in No. 1 stope, in back of the 40 south-west, is 5 feet wide, producing 2½ tons of lead ere per fathom. The lode in No. 2 stope is 5 ft. wide, worth 3 tons of lead ore per fathom. No. 2 winse is sinking by two men, at 7t. per fathom; lode 5 ft. wide, worth 1½ ton of lead ore per fathom. No. 1 stope, in back of the 30 south-west, by two men, at 3t. 5s. per fathom; the same will apply to No. 2 stope No. 3 stope to two men, at 3t. 6s. per fathom; lode 3 ft. wide, producing 2½ tons of lead ore per fathom. No. 2 stope, in back of the 20 south-west, to four men, at 3t. 10s. per fathom; lode 3 feet wide, producing 2½ tons of lead ore per fathom. We have dressed this month 30 tons of lead ore, from 75 to 80 per cent.; also forwarded to port 91 tons. In store, awaiting shipment, 268 tons of lead ore and 47 tons of copper ore.

PORT PHILLIP AND COLONIAL GOLD,—Mr. Bland, Clunes, April 24: The quantity of quartz crushed during March (six weeks) was 6641 tons, yielding

PORT PHILLIP AND COLONIAL GOLD.—Mr. Bland, Clunes, April 24:
The quantity of quartz crushed during March (six weeks) was 6641 tons, yielding 2864 ozs. 16 dwts. of gold, or an average of 8 dwts. 15 grs. per ton. The recolpts were 10,784. 12s. 11d. The payments (including 1840. paid for stocks of firewood) were 75154. 6s. 3d.: leaving a profit of 2859. 6s. 6d., out of which was deducted 598. 16s. 8d., being excess of expenditureover returns for January and February, which left a nett profit of 2670. 9s. 10d. Mr. Bland divided 2500l. between the two companies, of which the Port Phillip Company's proportion was 1623l. Three weeks return for April: Quartz crushed, 3429 tons, the yield from which was estimated at 1895 ozs. of gold, or an average of 9 dwts. 8 grs. per ton. [A remittance of 1500l. has been received by this mail.]

SCOTTISH AUSTRALIAN.—The superintendent (Sydney, April 23) reports from Lambton Colliery that the sales of coal in March were 14,270 tons. Mr. Morchead reports improvement generally in the coal trade of the colony, and a much better understanding and spirit amongst the colliery proprietors as to the mode of conducting the business.

CADIANGULLONG CONSOLIDATED COPPER.—The directors have advices from Sydney (April 24) with reports from the copper mines and smelting-

works to the 18th. Operations at the mine continued to be carried on almost exclusively by tributers. From Feb. 23 to the end of March 116½ tons of ore had been sampled, averaging 14½ per cent. for copper, and yielding by assay 16 tons 11 ewts. 2 qrs. 17 lbs. of fine copper. The directors are advised of the shipment, 19 ton Duthle, of 14 tons of fine copper. There were 1½ ton of fine copper at per John Duthle, of 14 tons of fine copper at Parkey works, and ore, coarse metal, and slags at the works which would produce 13½ tons. Wood on hand, 1660 tons.

and slags at the works which would produce 19½ tons. Wood on hand, 1660 tons. Successful Gold Mining—Don Pedro North Del Rey.—As will be seen by the advices (which appear in another column), the gold return for April amounts to 24,066 oits., which is equal to 2776 ozs. This is an increase of 4010 oits. over that of the preceding month, and the profit amounts to 7702l. 14s. 6d. The present is the financial position of the company—Paid-up capital, 53,313l.; balance of profit and loss account (Jan. 1, 1867), 1693l. 18s. 10d.; profit from January to April inclusive, 18,314l. 9s. 8d.—20,008l. 8s. 8d. From that amount has to be deducted the interim dividend of 1s. 6d. preshare, and income tax (declared May 31), which absorbed 5807l. 7s. 1d.; so that at the present time there is an available profit of 14,201l. An extract from a letter dated May 18 states that—"Our general operations are proceeding exceedingly satisfactorily. The produce cleaned up to date amounts to 10.537 oits., and Maquine still continues to look well."

MINERAL RIGHTS ASSOCIATION.—We understand that one of the properties now before the board holds out more than ordinary promise, and if terms are agreed on it is almost certain to yield a very large profit to the company, even in the first twelve months. We believe that all the information yet received about it, through different disinterested channels, is decidedly in favour of the value of the property. The aggregate amount of investments made by the company has increased in value in the last few weeks, and as a proof of the favourable opinion now generally entertained of the result of the late general meeting, it may be observed that the price of the company's shares has stood better since then, and they have been in demand at higher rates. They will, no doubt, further advance if a few parties do not continue a useless and injurious agitation for attempting to wind-up the company, which deters people from buying the parties do not continue a useless and injurious agitation for attempting to wind-up the company, which deters people from buying the shares, and interferes with the negociations for entering into business likely to lead to success. At the late meeting, the arrangement ceme to was that in six months the directors should again call the shareholders together, to report the result of their operations, and we have no doubt it will be satisfactory to all.

Santa Barbara Gold Mining Company.—A circular has been addressed to the shareholders, in which they are informed that when it was agreed to wind-up the company the stone yielded only 3½ oits, of gold to the ton, whereas it now yields 6 oits, per ton. The main lode had become contracted, whereas hopes are now strongly entertained that twill widen out, it having already widened from 5 to 8 ft. where it is now being worked, while in the main shaft, where the works have been suspended since the liquidation was agreed upon, at the time when Capt. Bryant discharged the men it had widened out from 5 to 12 feet. Should this widening continue, it is highly probable that the mine will yield a very profitable return for the moneys expended on it, it being the fact that during the last six months, although worked at great disadvantage, and on a limited scale, the mine has actually realised a small monthly profit. Under these circumstances, some of the principal shareholders have thought it only fair that existing shareholders should have a preference over the general public in an attempt, by fresh capital, to prove once more the capabilities of the mine. Thequality, character, and yield of the stone are now known, and the only thing which has to be ascertained is the extent and width of the lode. It is estimated that this can be done by an expenditure of a further sum of 10,000?. It is, therefore, proposed to form a new company, in 30,000 shares of 10s, each, making a capital of 15,000?., on which a first call, of 4s, per share, will be made on allotment. There will be 2s, per share to be returned (1s. 6d. from the sale of 4500?., and 6d. balance of cash in hands of the liquidators and at Rio Janeiro) to the shareholders who have paid the last call, and this amount will be applicable to the payment of the first call of 4s., which it is proposed to make on the shares in the new company, the subsequent calls being made as the necessity will arise.

STEEL VERSUS IRON RAILS.—The advantage, in an economical point of view alone, of the steel over the iron rail is fast being made manifest, and the total disappearance of the latter appears to be a mere question of time. Whilst there are complaints from almost every iron district in the kingdom that very few orders for rails are being sent in, yet the makers of those of steel, particularly Bessemer, were scarcely ever busier. On nearly all large railways, and especially on those where the traffic heavy, the steel rails are admitted to effect a very great saving, and are being fast put down on some of the largest lines. Amongst others, the London and North-Western have recently put some down, and other companies are doing the same. At one establishment alone, the South Yorkshire Works, at Penistone, the firm known as that of Cammell and Co. (Limited), about 300 tons of Bessemer rails are being turned out. There are some very large orders in hand for the Great Indian Peninsular Railway, which has now about 850 miles open, whilst the entire length of the line will be upwards of 1300 miles. For America, also, a large quantity is being made, as it is understood that the Grand Trunk of Canada line is to be laid with steel rails, which Mr. Watkin, M.P. (the Chairman of the company) asserts will effect a very great saving, seeing that they have some 1377 miles in work. Russia is now about our best customer for iron rails, for which country they may be suitable, seeing that the lines are long and the traffic limited. One very great bar to the general introduction of the Bessemer rail is the rather large royalty to the patentee by the makers, whilst in Prussia, where a very large quantity of Bessemer is being turned out, no royalty whatever is paid, patent rights not being recognised in that country. The advantage thus gain ed is such as to check exportations to the North of Europe.

COAL MARKET .- The arrivals this week only amount to 108 ships COAL MARKET.—The arrivals this week only amount to 108 ships. Household coals have continued in steady request at last week's prices. Hartley's rather less active, and prices slightly lower. Hetton Wallsend, 19s., 6d.; South Hetton Wallsend, 19s., East Hartlepool, 18s.,6d.; Stewart's Wallsend, 18s.; Braddyll's Hetton Wallsend, 17s.,6d.; West Hartley, 18s. Unsold, 9 cargoes: 25 ships at sea.

CONTRACTS FOR COAL.—The Admiralty require the supply of 7000 tons of South Wales Coal, for Hong Kong; also, 1500 tons of South Wales Coal, for Haulbowline.

Wales Coal, for Haulbowline.

Wales Coal, for Haulbowline.

THE COPPER TRADE.—Messrs, Vivian, Younger, and Bond (June 21) write:—The Chili advices referred to in our last have had their effect all through the week, and transactions have been very exceptional and difficult. Towards the close, however, there seems to be a little more disposition to make business both on the part of sellers and buyers, each showing some signs of giving way a little. The result of the continued low prices seems to have been to rid the market of the weak holders of English copper who went into the article during the Hispano-Chillan war, and also to bring down the price of the raw material to a more reasonable relative value, as compared with the prices of English copper. These two things should give a healthier tone to the article, for such demand as there is now goes to the smelters, and so more directly helps off the stocks. The want of demand, however, continues to be very much felt. We report sales of Chili bars at from 991. to 701, per ton, and of about 2000 tons of ore and regulus at 14s, per unit. We have heard of no sales in fine foreign copper.

THE IRON TRADE.—Messrs. Shaw and Thomson (June 19) state—
The Iron trade about a fortnight ago participated in the revival of confidence
which then took place in aimost every other article of manufacture; but since
then the tone has become flatter, and the business done is at lower prices, and
there is less enquiry. The demand for rails has been good for American, Spanish,
and Russian shipment, and considerable business has been done; but on home
account the railway companies, for obvious reason, have only been buying very
sparingly. The price of good ordinary "Erle" rails may be quoted 5t. 15s., usual
terms, t.o.b, at the shipping ports; and double-headed rails of good merchantable quality, 6t. and 6t. 5s., same terms. Most of the orders recently given out
have gone to Wales, where the advantages of cheaper wages and coals tell in their
favour when prices are low, as compared with other rail-making districts. In
shipbuilding from there has been rather more enquiry, but the prices are still
low, and there are not sufficient orders given out to keep the plate and angle
mills of the country more than half employed. This branch of the trade has
suffered not merely from the decrease of the demand for iron for shipbuilding,
but from the stoppage of railway work, which took a very large quantity of plate
and angle iron for wrought-iron bridge and girder-work. The demand for sheet-THE IRON TRADE,-Messrs. Shaw and Thomson (June 19) state but from the stoppage of railway work, which took a very large quantity of plate and angle from for wrought-iron bridge and girder-work. The demand for sheet iron has improved, and a fair amount of business has been done for export. The enquiry for thin plates for tanks is brisker. Bar-iron continues to be very dull. We hear of North of England bars being offered at 61. 5s., usual terms, at the works; good bars, made on the Thames, are offered at 61. 5s., to.b. London. Pig-iron has rather improved in price, and there is a more hopeful feeling that prices have seen their lowest, and will now rather tend to improvement. The diminution in the number of furnaces in blast has told materially upon the stocks in Scotland, and were the pig-iron makers in the North of England to adopt the same course, the prices would not remain long at so great a disparity as 43s. per ton, f.o.b. Middlesbrough or Stockton, and 53s. per ton, f.o.b. Glasgow. The prejudice against North of England pig-iron, which was so very great a few years ago, has almost entirely disappeared now that the manipulation it requires is so much better understood by the workmen both at the forge and foundry. There is, therefore, less reason for so great a difference in the prices between it and Scotch. The castings made from it can bear equal comparison, both for finish and strength, with the finest made from Soctch iron, and it is believed that be fore long the district will find such combinations of the different qualities of the Cieveland ores as will render the use of hematite iron, which is often very irregular, quite unnecessary. In bridge work and house-building iron there is a dearth of orders. The iron for the large new station in London for the Miland Railway Company is to be supplied by the Butterley Company. The demand for plates, angles, &c., for the large new station in London for the Miland Railway Company is to be supplied by the Butterley Company. The demand for plates, angles, &c., for the large new station in London for the Miland the pla infidence is difficult to revive. Only a few of the best makers are able to keep eir mills going full time. In Wales the rail mills are well employed; boat ares and bars being dull of sale, the works are not kept fully going. In the orth of England there is little to be said of an encouraging character. The pactites of the district are so large that it requires a very brisk state of trackeep all the works going full time. At present they are moderately whell emoyed. The wages paid to workmen are much too high throughout the whole ade. By exacting wages which leave no margin for the employer, the result monly, in the end, be to injure themselves.

With the Journal of this week a SUPPLEMENTAL SHEET is given which contains—Silver Mining in the United States (with illustration of the famous Poorman Mine); the Mineral Resources of Costa Rica—No. II.; Mr. Gresham Hull's new Safety Fuzes, Mr. McReath's improvements in Distilling Shale, Coal and other of Costa Rica—No. II.; Mr. Gresham Hull's new Safety Fuzes; Mr. McBeath's improvements in Distilling Shale, Coal, and other Bituminous Matters; Quick-speed High-pressure Expansive Engine, by Mr. N. P. Burgh (with illustrations); Interesting Exploration in South Staffordshire; Artificial Fuel; the Oaks Colliery, and Mr. J. K. Blackwell's Report, &c.

The Mining Market; Unices of Metals, Ores, &c.

METAL MARKET-LONDON, JUNE 21, 1867.

COPPER. £ s. d. £ s. d.	IRON. Per ton.
Best selectedp. ton 82 0 0-83 0 0	Bars Welsh, in London 6 10 0-6 15
Tough cake and tile 79 0 0-81 0 0	Ditto, to arrive 6 10 0-
Sheathing & sheets. 81 0 0-83 0 0	Nail rods 7 0 0-8 0
Bolts 83 0 0	Staffd. in London 7 10 0-8 10
Bottoms 88 0 0	Bars ditto 7 10 0- 9 10
Old (Exchange) 72 0 0	Hoops ditto 8 12 6- 9 12
Burra Burra 87 0 0- 88 0 0	Sheets, single 9 10 0-11 0
Wireper lb. 0 0 111/4	Pig No. 1, in Wales 4 5 0- 4 10
Tubes , 0 0 11%	Refined metal, ditto., 4 0 0-5 0
BRASS. Per lb.	Bars, common ditto, . 5 15 0- 6 0
	Do. mrch. Tyneor Tees 6 10 0
Sheetsper lb. 9d10d.	Do., railway, in Wales 5 15 0-6 0
Wire , 81/4d91/4d.	Do., Swed. in London. 10 5 0-10 10
Tubes , 10%d	To arrive 10 10 0
Yellow Metal Sheath.p. lb. 71/d	Pig. No. 1, in Clyde 2 15 0- 2 5 (
Sheets , 7 d	Do. f.o.b. Tyne or Tees 2 9 6
	Do. Nos. 3,4,1.o.b. do. 2 6 6-2 7 (
SPELTER. Per ton.	Railway chairs 5 10 0- 5 15 0
Foreign on the spot 21 0 0	, spikes11 0 0-12 0 0
, to arrive 21 0 0	Indian Charcoal Pigs.
ZINC.	in London p. ton 7 0 0- 7 10 0
In sheets 27 0 0	
	STEEL. Per ton.
TIN.	Swed., in kegs(rolled)14 0 0-14 10 0
English blocks 89 0 0	, (hammered) 15 5 0-15 10 0
Do., bars (in barrels) 90 0 0	Ditto, in faggots16 0 0
Do., refined 92 0 0	English, spring17 0 0-23 0 0
Banca 92 0 0	QUICKSILVER (p. bottle) 6 17 0
Straits£86 0 0- 86 10 0	LEAD. Per ton.
TIN-PLATES. Per box.	English Pig, com19 17 6
IC Charcoal, 1st qua. 1 8 0- 1 10 0	Ditto, LB
IX Ditto, 1st quality 1 14 0- 1 16 0	Ditto, WB22 5 0
IC Ditto, 2d quality 1 4 0	Ditto, ordinary softt 20 0 0-20 10 0
IX Ditto, 2d quality., 1 10 0	Ditto, sheet20 15 0
IC Coke 1 3 6-1 4 0	Ditto, red lead20 15 0
IX Ditto 1 9 6- 1 10 0	Ditto, white27 0 0-30 0 0
Canada plates, p.ton 13 10 0	Ditto, patent shot 23 0 0
Ditto, at works 12 10 0	Spanish19 10 0
At the works, is, to	o 1s. 6d. per box less.
+ A Derbyshire quotation : not gener	ally known in the London market

*At the works, 1s. to 1s. 6d. per box less.

† A Derbyshire quotation: not generally known in the London market.

REMARKS.—Very little alteration has taken place in the Metal Market during the past week, and the progress towards a more active condition is but slow, still if business is not improving very fast it is certainly not retrograding, and the tendency is rather in favour of movement than otherwise. We are, therefore, justified in anticipating that in due course we shall find the metal trade returning to a more satisfactory state, and see business again going forward with its wonted activity and life. The Money Market still shows a continued easiness, and capital is now only waiting for safe and advantageous investments, while great facilities are, consequently, being offered to parties who are disposed to enter into speculative transactions in metals, which are now in such a position as regards prices that it is almost certain that eventually they must come out with considerable profit. These advantages and prospects, however, do not seem at present to draw out speculators, who are either waiting for a more active demand to spring up, in which case prices would, of course, advance, and consequently the advantage of purchasing cheaply would be removed; or else they are themselves, perhaps, mixed up with some of those unfortunate concerns still in process of liquidation, and thus are uncertain as to the position they may occupy some time hence. The exposure of the fallacious way in which business is conducted by some of the railway companies is not calculated to restore confidence in that direction, still we do not anticipate that this will directly tend injuriously to affect the metal market, although indirectly it is calculated to hinder the return of that commercial prosperity which all are so desirous of again seeing. It is earnestly to be hoped that these various exposures will lead to business generally being conducted upon a safer and more secure basis.

COPPER.—The market has not yet recovered fro

bars have been sold in Liverpool; the former at 70% 10s., and the latter at 70%.

IRON.—In Staffordshire the larger firms are receiving about as many orders as they were, but the smaller makers complain, and recent failures, by checking confidence, render their position more difficult. It is pretty certain that next quarter-day will be quiet. The East Indian demand is good, and orders are coming from the United States, but for very small amounts. Should the harvest there maintain its present promise, a good fall demand is regarded as likely. There is more demand for railway purposes. In Welsh there are not at present any pressing engagements, and the stocks are as yet, in many instances, more than sufficient to meet the requirements of buyers. Eastern orders are gradually making their appearance in the market, and a good trade is expected to be done in that quarter. Considerable purchases of rails are made by Russian and American houses. The exports have been tolerably good this month, although not quite so large as in May, when the returns were unusually heavy. Pigs are fairly supported, and buyers continue to purchase with greater freedom. In Swedish business still continues good, the demand remaining active. In Sootch pig-iron only a moderate amount of business has been done, the price remaining throughout the week at 53s, 9d, cash.

of business has been done, the price remaining throughout the week at 53s. 9d. cash.

LEAD.—The market continues dull, and prices appear to have a drooping tendency, some transactions having taken place under recent quotations.

Tin.—The standard of ore in Cornwall has been advanced 21, per

TIN.—The standard of ore in Cornwall has been advanced 24, per ton, which has had the effect of making prices of English steady at official rates. The market for Straits also continues firm, at 861, to 861, 10s. cash, and 871, for arrival, at all of which prices business has been done, the enquiry still remaining very good.

SPELTER.—The amount of business transacted during the week has been small. Parcels on the spot remaining firm, at 211.

TIN-PLATES.—The trade is quiet. The orders in the books keep the weeks quing, but very few fresh engagements are offered.

the works going, but very few fresh engagements are offered.
STEEL.—In foreign a considerable business has been done.
QUICKSILVER.—Demand only moderate.

BIRMINGHAM, JUNE 21.—Rylands' "Iron Trade Circular" Trade absolutely dull; prices steady in pig; weak in manufactured

In the MINING SHARE MARKET this week there has been a very large business done in several mines, and prices generally have been well sustained. The tin standard is up 21., and the standard for copper ores down about 10s. The mines which have been mostly dealt in have been Prince of Wales, Great Wheal Vor, Clifford Amalgaper ores down about 10s. The mines which have been mostly dealt in have been Prince of Wales, Great Wheal Vor, Clifford Amalgamated, Great Laxey, West Seton, Wheal Crebor, North Treskerby, West Chiverton, Wheal Chiverton, Wheal Buller, Wheal Grenville, East Grenville, Great Retallack, Chontales Gold, and a few others. On the Stock Exchange there is a vast amount of business doing in gold mines. Chiverton Moors have advanced to 5½, 6, and in demand.

Devon Great Consols are firm, at 415 to 425; with another good sale of ore this month, we hope we may congratulate the shareholders on the prospect of increased dividends for the future, Prince of Wales shares have been very largely dealt in, and the the last account is not yet closed. Shares were made f

Wales shares have been very largely dealt in, and the settlement the last account is not yet closed. Shares were made flatter on well nesday, and done as low as 63s. to 65s., but they rallied again as on Friday were done at 3½, leaving off 3½ to 3½; the sale of or for the month has realised 11841. 17s. with carriage, and a large received to be sampled next week. The only material charge in the mine are an improvement in the 55 west, and the appearance of another course of ore in the 45 cast. West Prince of Wales shan have been in good demand, at 10s. to 15s. Drake Walls, 10s. 12s. 6d.; East Basset, 16 to 17; East Caradon, 5½ to 6½. Chorals shares have fluctuated a good deal, owing to the call of 10s per share made on Saturday last having induced a few sellers; but thy leave off firmer, at 4½ to 4½. The private advices by the last mails as and to have been most satisfactory, and such as to justify the full filment ere long of the extraordinary statements in the prospets; some disappointment, therefore, was expressed at the rather mean report inserted in last week's Journal.

Great Wheal Vor, 18 to 19; at the meeting the accounts showed to 1½ (cast) and a dividend of 7s. 6d. per share was made, to put declared. Clifford Amalgamated shares have advanced to 1½ (cast) paid); at the meeting a call of 11. 7s. 6d. per share was made, to put off the debt, and the mine is said to be looking better. East Lord, 7½ to 8; East Rosewarne, 7s. to 9s.; East Russell, 2 to 2½; Fronting and Bolivia, 11s. to 13s. Great Retallack shares have advanced to 1½ (do 8); and a service of the debt, and the mine is said to be looking better. East Lord, 7½ to 8; East Rosewarne, 7s. to 9s.; East Russell, 2 to 2½; Fronting and Bolivia, 11s. to 13s. Great Retallack shares have advanced to 1½ to 8; East Rosewarne, 7s. to 9s.; East Russell, 2 to 2½; Fronting and Bolivia, 11s. to 13s. Great Retallack shares have advanced to 15s. to 15s. Great Retallack shares have advanced to 15s. to 1 derstand there is a rich course of ore in the bottom of the mine

The market for mining shares on the Stock Exchange, in the early part of the week, was inanimate; prices, nevertheless, were fairly maintained. On Thursday and Friday general activity was manifested, and prices generally higher, and finally close at the bet. The St. John del Rey, and Brazilian advices generally, by the letter delivered to-day, are of a favourable character. St. John del Rey, 65 to 67; Don Pedro, 3½ to 4; Pestarena, ½ to ½ prem; Chontales, ½ to ½ prem; Port Phillip, ½ to 1½ per share; Anglo-Brazilian, ½ to ½ prem; Rossa Grande, ½ to ½ per share; Anglo-Italian, ½ to ½ prem; English and Australian Copper, ½ to ½. English mines are in good demand, Prince of Wales have risen to 67s. 6d., 70s.; West Chirecton, 66 to 68; Chiverton, 6½ to 7; Great Laxey, 18½ to 19; North 18; at Westminster Mines the lode in the 70 has improved to ½ to of lead per fathom. Taquaril, ½ to ¾ prem, and enquired for; this company is favourably received.

company is favourably received.

IRISH MINE SHARE MARKET.—Notwithstanding a general downward tendency of all stocks and shares, there has been a moderate amount of business done in mining shares. The public appears to have taken the view we expressed last Saturday of the absence of any legitimate ground for last week's fall of the Wicklow Copper Mining Company's shares to 21\(ll\), many buyers having come forward to avail themselves of the low quotation. A gradual rise was, of course, the consequence, and shares have during this week been freely taken at prices varying from 21\(ll\). 10s. to 21\(ll\), 15s., leaving of at 21\(ll\). 12s., 6d. for account (2\(ll\). 10s. paid), and thus establishing a recovery of from 12s. 6d. to 15s. On the other hand, Mining Company of Ireland shares have been adversely operated upon, effecting a decline from 17\(ll\). 5s., last week's medium price, to 16\(ll\). 5s., for no better reason than there was for the recent temporary fall in the Wicklow Coppers. General Mining Company for Ireland shares are entirely neglected, and there is also a complete blank in all the other shares.

At Truro Ticketing, on Thursday, 3689 tons of ore were sold, realising 17,015% 12s. 6d. The particulars of the sale were:—Avenge standard, 114% 19s.; average produce, 6; average price per to, 4% 12s.; quantity of fine copper, 236 tons 6 cwts. The following are the particulars:

4l. 12s.; quantity of fine copper, 236 tons 6 cwts. The following are the particulars:—

Date. Tons. Standard. Produce. Per ton. Per unit. Orecopper. May 23: 3992 ... £116 18 0 ... 654 ... £4 10 0 ... 148.6d. ... £7110 18.0 ... 50 ... 512 0 ... 148.6d. ... £7110 19.0 ... 512 0 ... 148.5d. ... £7110 19.0 ... 148.5d. ... 189.5d. ...

The Standards of Tin Ore are advanced on the 17th inst. 2s. per wt., and are now as follows:—Common, 83s.; superior common, 84s.; fine, 85s.; superior fine, 86s.

The Rossa Grande Gold Mining Company has decided upon the issue of the remaining 30,000 shares, which will complete the sutherised capital of 100,000*l*, at a premium of 1s. per 1*l*, share. Messa. thorised capital of 100,000%, at a premium of 1s, per 1% share. Messa Henry Haymen and Robert Hesketh, of the Don Pedro Northdel Bay Mines, have joined the board, and the directors have decided to appoint a local superintendent, so that the mining captain's time may be entirely devoted to laying out and developing the mines. The directors have ordered the immediate commencement of operations on the unexplored jacoting a formation, from which satisfactory results are looked forward to, considering the close proximity to the Gongo Soco lode. The prospectus will be found in another column of this day's Journal, and appended to it is the report of Capt. Thes. Treloar. He states that he has known the Rossa Grande property for 28 years, that the lower rock formations should receive early station from the company, and that the rock formations are preferent tention from the company, and that the rock formations are preferable, in his opinion, to the jacotinga formations, though the latter are, doubtless, more tempting to speculators, because the precious metal is found in bunches. One year the mines may be very poor, the next very rich; but rock formations are more constant and sure.

During the time the company have been waiting for legal possession. a new 12-head stamp mill has been erected, and work preparator to the opening of the mines carried on upon a small scale. The office of superintendent had been offered to a gentleman of 30 years experience in Brazil, and the directors have reason to think that he will accept the appointment, so that there is no doubt that the under-taking will be successfully and profitably carried out.

The third annual meeting of CHARLES CAMMELL and Co. (Limited) was held at Sheffield yesterday, when the directors' report, announcing the continued satisfactory progress of the enterprise, notwithstanding the unparalleled crisis through which the country has lately passed, was unanimously adopted. The balance-sheet, audited and vouched was unanimously adopted. by Messrs. Chadwick and Adamson, shows that after deducting all current expenses of the year, including office charges, travelling expenses, salaries, taxes, directors' and auditors' remuneration, interesting the salaries, taxes, directors' and auditors' remuneration. paid on balance of purchase money, &c., and a sum of 11,408.55. for depreciation of buildings and plant during the year, the nett amount now available for dividends is 67,4621. 15s. 9d.; out of which the directors recommend the navment of 51. 2s. per share, which will make rectors recommend the payment of 51, 2s. per share, which will make with those already paid a total of 30 per cent. in dividends during the past three years, and still leaving a balance of 16,4621, 15s, 9d, to

carried forward to next year's account. The whole of the build-s and machinery have been maintained out of revenue, and the isl deductions for depreciation have been made. Several large at deductions for depreciation that the armour-plate department; Besse-tracts have been secured in the armour-plate department; Besseguaracts have been secured in the armour-plate department; Besse-ger steel continues to extend in its application to purposes for which are steel continues to extend in its application to purposes for which on had previously been used; and the file machinery works very on had previously been used; and the restoring had previously and is a source of considerable economy in the manu-stifactorily, and is a source of considerable economy in the manu-leture of those tools. The retiring directors were re-elected, and the declaration of the dividend sanctioned by the meeting.

At Great Wheal Vor United Mines meeting, on Wednesday (Mr. asgre Noakes, F.G.S., in the chair), the accounts, made up to the present time, sorged a balance of assets over liabilities of 51991, 0s. 3d. A dividend of sorged a balance of assets over liabilities of 51991, 0s. 3d. A dividend of 181, 181, (7s. de. per share) was declared, leaving 29837. 10s. 9d. to be carried reard to the next account. Since the meeting the lode in Ivey's shaft has ill further improved. Details in anoter column.

the Wheal Trelawny meeting, on Tuesday (Mr. Nicholson in the At the Wheal Trelawny meeting, on Tuesday (Mr. Nicholson in the At the accounts showed a credit balance of 1526, 11s, 10d. A dividend of half), the accounts was declared, leaving 1318. 11s, 10d. to be carried forward site credit of the next account. Details in another column.

the orbit of the next accounts. Details in another column.

the Ding Dong Mine meeting the accounts for the quarter ending
At the biowed-Labour costs, merchants' bills, &c., 23301. 7s. 10d.; tin sold,
farel 31 slowed, Qrs. 8 lbs., average price 54f. 14s. per tom 2645f. 4s. 6d.; profit
sons fews. 0 qrs. 8 lbs., average price 54f. 14s. per tom 2645f. 4s. 6d.; prosents
the three months, 314f. 16s. 8d.; present balance of cost-book, 304f. 16s. 2d.,
the three months of the credit of next account. The agents' report is among the
strided forward to the credit of next account.

ginis Correspondence.

At the St. John del Rey Mining Company meeting, on Wednesday
At the St. John del Rey Mining Company meeting, on Wednesday
At J. P. Powles in the chair), a dividend of 49,5001. (41. 10s. per share) was deMr. J. P. Powles in another column.

(Mr. J. Details in another column, clared.) Details in another column, clared. Details in another column, the Bank of England Return, for the week ending on Wednesday reming, was again favourable. In the ISSUE DEPARTMENT there is shown as reming, was again favourable. In the finerasion the coin and buillion on the other side of the account. In the mig increase in the coin and buillion on the other side of the account. In the mig increase in the "other deposits" of SASIN, and in the "rest" of 29491.—669,2911.; a decrease in the other deposit of 184,7511.; and in the "seven day and other bill" of 27,3631.—212,6141.: leaved 184,3151. In the "other securities" on the asset side, shows an increase in the fig. 3,331. In the "other securities" on the asset side, shows an increase in the fig. 3,531. In the "other securities" on the asset side, shows an increase in the fig. 3,531. In the "other securities" on the asset side, shows an increase in the fig. 3,531. In the "other securities" on the asset side, shows an increase in the fig. 3,531. In the "other securities" on the asset side, shows an increase in the fig. 3,531. In the "other securities" on the asset side, shows an increase in the fig. 3,531. In the "other securities" on the asset side, shows an increase in the fig. 3,531. In the "other securities" on the asset side, shows an increase in the fig. 3,531. In the "other securities" on the asset side, shows an increase in the securities.

discount.
The Provincial Bank of Ireland directors notify that a dividend pre the half-year ending Midsummer, at the rate of 4 per cent. on the paid-up tok, and also an extraordinary dividend of 30s. on each 100f. share, and 12s. on set 10s share, will be paid to the proprietors on July 18.

lick, and also are will be paid to the proprietors on July 15.

On the Stock Exchange a considerable amount of business has been transacted in Mining Shares during the week. The following quotations were officially recorded in British Mining Shares:—Wheal Seion, 122, 124; Great Wheal Vor, 193, 193, 193; East Caradon, 6, 6; Prince of Wales, 33, 34; North Roskear, 5½; West Chiverton, 67.—In Colonial Mining Shares the prices were:—Yudanamutana, 14, 14, 14; 17 ort Phillip, 15-16ths; Scottish Australian, 13, 1 1-16th, 1; Cape Copper, 73.—In Foreign Mining Shares the prices were:—St. John del Rey, 64, 63, 644, 64, 653, 644, 61. (Chontales Gold, 44, 44, 44, 44, 44, 10 n Pedro North del Rey, 33, 33, 34, 4, 35 prem.; Pestansa, 33, 34, 34; Anglo-Brazilian, 14, 14, 14; United Mexican, 2, 15; Prontino and Bolivia, 4.

Frontino and Bolivia, \$\frac{1}{2}\$.

It will be pleasing to a large circle of our readers and friends to bear of Mr. Josiah Hugo Hitchina's safe return from Algeria and the South of France, after an absence of six weeks. His mission to those countries was to read the property of the property of the property safe of which responsible duties it will be admitted that a more able and trusted with the property sendered now of the most enlightened in his profession, his practically scientifications and well-matured judgment enabling him property sea decorrectly estimate all mineral setts, and give reliable advice as the value of since and the working of them in the most advantageous manner. The extended reads and the working of them in the most advantageous manner. The extenders are of the opportunities must, indeed, have made him well acquainted with mineral formations of every varied character, his experience extending mera period 53 years. His name and reputation will, however, always be ket known on account of the below of the discoverer, projector, and consulting so comment, the dividends paid amounting to 1,085,430%, on a pald-up capital (MM, which is the present value of the property is 430,0801, being a nett profit M 1,314,466, upon the profit and outlay. It cannot be doubted that those who seemed Mr. Josiah Fugo Hitchins on mining matters act which, so here and the profit of professional, sound, and honest opinion for their safe guidance.

aprotesional, sound, and honest opinion for their safe guidance.

THE PANULCILLO COPPER COMPANY.—The directors, in a special sport, state that, owing to the unprecedently low rates which have ruled for good the past half-year, they are unable to announce the distribution of any ad staterin dividend; but it is thought that, owing to the diminution in scale of production, an improvement in the value of that metal will take bee. Attention has been given to the effecting of every economy consistent with the efficient working of the mine; and the directors expect that, for the state, the produce will be rendered available on such terms as, even at the presented present a very landsome dividend on the capital of the company. Mr. John [Hamilton (the manager) still speaks confidently of his ability to produce regist to sell at a profit, at the equivalent of 14s. per unit here, the lowest price twich sales have been made during the past six months. The directors, therefore, consider that they have every reason to anticipate that, after the expirate, observed that they have every reason to anticipate that, after the expirate, observed that they have every reason to anticipate that, after the expirate, observed that they have every reason to anticipate that, after the expirate, observed that they have every reason to anticipate that, after the expirate, of six months from the completion of the rallway, they will be able to reward the expiration of the lode (which is a most important points), and also that the assign wall of the lode (which is a most important points), and also that the assign wall of the lode (which is a most important points), and also that the assign wall of the lode (which is a most important points), and also that the assign wall of the lode (which is a most important points), and also that the assign of the lode (which is a most important points), and also that the assign of the lode (which is a most important points), and also that the assign of the lode (which is a most important points), and also

REASURY CONSOLIDATED MINES COMPANY (LIMITED).

Established for working a valuable and extensive run of mineral ground in Cornwall.

Capital, £50,000, in 10,000 shares of £5 each.

Terms of subscription—payment by £1 per share on application, and £2 on allotment.

BANKERS.
The Alliance Bank, London, Liverpool, and Manchester.
Messrs. Willyams, Willyams, and Co., Camborne, Cornwall.

J. Perry Godfrey, Esq., South-square, Gray's Inn. John Trevena, Esq., Redruth, Cornwall. INTERIM SECRETARY—Thomas Webb, Esq. OFFICES (pro tem.),-2, NEW BROAD STREET, LONDON.

ectuses, with forms of application for the remaining shares, may be ob-rom the bankers, solicitors, or at the temporary offices of the company. Ther particulars see last week's MINING JOURNAL.

THE HENDDOL SLATE AND SLAB COMPANY
The TRANSFER-BOOKS will be CLOSED from the 24th June, 1867. The
A July, 1867, inclusive, for the purpose of PAYING at the latter date the
NYEREST, at the rate of SEVEN AND A HALF PER CENT. PER ANNUM,
BURNALED BY THE SEVEN AND A HALF PER CENT. PER ANNUM,
BURNALED BY THE SEVEN AND A HALF PER CENT. PER ANNUM,
BURNALED BY THE SEVEN AND A HALF PER CENT. PER ANNUM,
BURNALED BY THE SEVEN AND A HALF PER CENT.

HONTALES GOLD AND SILVER MINING COMPANY U (LIMITED).—Notice is hereby given, that the directors have this day adea Call of TEN SHILLINGS PER SHARE, PAYABLE at the Imperial was transfer on the 1924 day of July next.

See Transfer-books will be closed from the 17th to the 22d of June, both days Sales.

By order, C. B. PARRY, Secretary pro tem. By a special payable rate of 10 per cent. per annum.

of 10 per cent. per annum.

Saham House, Old Broad-street, London, June 15, 1867.

RONTINO AND BOLIVIA SOUTH AMERICAN GOLD MINING COMPANY (LIMITED).—At an EXTRAORDINARY MEETING of the agree of the company, convened by eighty-six shareholders, held at the density (himited).—At an EXTRADEDINARY MERCHAND of siders of this company, convened by eighty-six shareholders, held at the Tavers, on Friday, the 21st day of June, the following resolution

reased:—
Solved,—That it is necessary that two inspectors be appointed, in pursuance
be Companies Act of 1862, to examine the affairs of the company, and to put
or all the provisions in respect of inspectors contained in the said Act;
that the inspectors may, if they think proper, employ a solicitor to advise
in the matter.

the matter, and the matter.

ad, —That Chas, John Payne and John Sangster be the inspectors, with great so act and to report the results of their investigation to the share-by notice or by a shareholders' meeting.

adjusted the best thanks of the shareholders be accorded to Mr. Joseph for having disinterestedly protected their rights and interests.

and,—That the thanks of the meeting be given to the chairman.

C. J. PAYNE, Chairman.

VEVADA.—W. T. RICKARD, F.C.S., recently returned from the Silver Mining Districts of Nevada, may be CONSULTED as to the Address, Assay-office, No. 2, Crown-chambers, Crown-court, Threadneedle-

TEAM-BOILERS made by WILLIAM WILSON, LILYBANK BOILER WORKS, GLASGOW, on the most improved principles, for home at expert. All boilers made of the best material and workmanship, proved an expertanted tight under a high pressure, and delivered at any railway states or shipping port in the kingdom at moderate rates. Lithograph of boilers arded post-free on application.

Contract for Coals for Hong Kong.

CONTRACT DEPARTMENT, ADMIRALTY, SOMERSET HOUSE.

THE COMMISSIONERS for Executing the Office of Lord High Admiral of the United King-Office of Lord High Admiral of the United Kingdom of Great Britain and Ireland, do hereby give notice that, on TUESDAY, the 2d July next, at Two
o'clock at noon, they will be KEADY to TREATY with suc persons as may be
willing to CONTRACT for SUPPLYING and DELIVERING assessment as may be
board Her Majesty's steamships and vessels at Hong Kong, SEVEN THOUSAND
TONS of SMOKELESS SOUTH WALES COALS, fit for the service of Her
Majesty's steamships and vessels, one-third of the coals to be shipped by the
3ist July, another third by the 30th September, and the remainder by the 31st
October, 1867.

Sist July, another third by the 30th September, and the remainder by the one October, 1867.

A form of the tender and conditions of contract may be seen in the lobby of the Storekeeper-General's Department, Admiralty, Somerset House. No tender will be received after Two o'clock on the day of treaty, nor will any be noticed unless the party attends, or an agent for him duly authorised in writing. Every tender must be addressed to the Secretary of the Admiralty, and bear in the left-hand corner the words "Tender for Coals for Hong Kong," and must also be delivered at the Department of the Storekeeper-General, Admiralty, Somerset House, accompanied by a letter signed by two respensible persons, engaging to become bound with the person tendering in the sum of £4000 for the due performance of the contract.

By order.

ANTONIO BRADY,

Registrar of Contracts and Public Securities.

Contract Department, Admiralty, Somerset House, June 18, 1867.

Contract for Coals for Haulbowline.

CONTRACT DEPARTMENT, ADMIRALTY, SOMERSET HOUSE.

THE COMMISSIONERS for Executing the Office of Lord High Admiral of the United Kingdom of Great Britain and Iroland, do hereby give notice that, on TUESDAY, the 2d July next, at Two willing to CONTRACT for SUPPLYING and DELIVERING into store at Her Majesty's Naval Yard at Haulbowline, ONE THOUSAND FIVE HUNDRED TONS of SMOKELESS SOUTH WALES COALS, it for the service of Her Majesty's steamships and vessels. The coals to be delivered by or before the sist July next.

Majesty's steamships and vessels. The coals to be delivered by or before the slat July next.

A form of the tender and conditions of contract may be seen in the lobby of the Storekeeper-General's Department, Admiralty, Somerset House. No tender will be received after Two o'clock on the day of treaty, nor will any be noticed unless the party attends, or an agent for him duly authorising in writing.

Every tender must be addressed to the Secretary of the Admiralty, and bear in the left-hand corner the words "Tender for Coals for Haulbowline," and must also be delivered at the Department of the Storekeeper-General, Admiralty, Somerset House, accompanied by a letter signed by two responsible persons, engaging to become bound with the person tendering in the sum of £400 for the due performance of the contract.

By order,

ANTONIO BRADY,

Registrar of Contracts and Public Securaties.

Contract Department, Admiralty, Somerset House, 18th June, 1867.

India Office-Contract for Iron.

BY ORDER OF THE SECRETARY OF STATE FOR INDIA IN COUNCIL

NOTICE IS HEREBY GIVEN that the DIRECTOR-GENERAL OF STORES FOR INDIA WILLIAM WILLIAM STORES FOR EACH OF STORES FOR STORES FOR EACH OF STORES FOR E

WEST DRAKE WALLS, CALSTOCK, CORNWALL.—
WANTED, a good secondhand PUMPING ENGINE, not less than 40 is cylinder, with BOILER.
Tenders, stating the lowest selling price for the above, delivered at the min should be sent on or before Monday, the 24th inst., to the purser.

Dated Liskeard, June 11, 1867.

Mr. RICHARD CLOGG, Liskeard.

THE KILLALOE SLATE COMPANY (LIMITED).—WANTED, a RESIDENT MANAGER or AGENT, to carry on these extensive works for must be a man of active habits, and very considerable experience in the management of slate quarries and machinery. A knowledge of the Weigh Management of slate quarries and machinery. A knowledge of the Weigh Management of slate quarries and machinery. A knowledge of the Weigh Management of slate quarries, Killaloe, Ireland.—18th June, 1867.

TO MINING AGENTS.—WANTED, an ACTIVE AGENT, to take the SOLE CHARGE of the WEST GREAT ST. GEORGE MINE. ST. AGNES.—Applications, stating salary expected, with references and the monials, to be addressed to the secretary, 104, King-street, Manchester.

TO LANDED PROPRIETORS AND MINING COMPANIES.—
WANTED, by a Person 34 years of age, of gentlemanly address, a SITUATION, either home or abroad. Is thoroughly conversant with account, is a
practical mapper, dialler, and surveyor, and has a good practical knowledge of
mining. First-class references.—Address, "B. B.," Post-office, Gunnslafte.
Cornwall.

TO CAPITALISTS—PROFITABLE AND SAFE INVESTMENT,
—FOUR THOUSAND POUNDS REQUIRED to COMPLETE the DEVELOPMENT of VALUABLE COAL and CANNEL SEAMS, already in working.
Liability can be limited, if desired. Principals only treated with.
Apply to Messrs. Eyrle and Lawson, Solicitors, 1, John-street, Bedford for

ECRETARYSHIP, OR OTHERWISE.—WANTED, by a GENTLEMAN, 40 years of age. Has had fifteen years' experience as secretary to public companies. Possessos the highest testimonials as to character and ability. A good French acholar. Has an extensive business connection in London, Liverpool, and other principal towns.—Address, "A. B.," Higher Journals office, Fiest-street, E.C.

FOREMAN for a GRANITE QUARRY, near REDRUTH, WANTED, an EXPERIENCED MAN of good character.—Apply by letter prepaid, to "H. V." MINING JOURNAL office, 26, Fleet-street, London.

SWING CRANE WANTED for a GRANITE QUARRY, near REDRUTH.—Second-hand or new; of iron, or partly wood, with a powerful winch attached, and the whole equal to swing 10 tons by three men.

Particulars, and lowest cash price, by letter to "H. V.," MINING JOURNAL office, 26, Fleet-street, London.

COPPER MINE.—The OWNER of an extensive COPPER MINE on the MEDITERRANEAN COAST WISHES to find a FIRM or COMPANY that would WORK IT UP, he keeping a share in the business. If For particulars, &c., write to "Z.," Measrs. Lee and Nightingale, Liverpool.

A GENTLEMAN, of great mining experience, RECOMMENDS to INVESTORS some EXTRAORDINARY CHEAP SHARES in a first-class COPPER MINE, certain of realising immense profits in a short period of time, with dividends during the present year. Price, £5 per share for fixy or any portion.—Address, Box T. 32, Manchester.

WANTED,—A RE-ENGAGEMENT as COLLIERY MANAGER—Many years' experience and first-class testimonials. No objection to go abroad.—Apply to "H. M.," MINING JOURNALOffice, 26, Fleet-street, London

WANTED, a GOOD SILVER-LEAD PROPERTY, requiring only a small capital to work it. It must bear the closest examination, and be situated in a convenient position for working.—Offers, containing full particulars, must be addressed "Silver-Lead," MINING JOURNAL, 26, *Ject-street, E.C.

WEST MARIA AND FORTESCUE MINE.—FIFTY SHARES
98, West George-street, Glasgow.

CARDIGANSHIRE LEAD MINES.—WANTED, TO SILL,
TWENTY OF THIRTY SHARES in the above very valuable property.
Wanted an offer; no price less than £15 10s. each will be entertained.
Apply to Mr. J. B. REVNOLDS, 70 and 71, Bishopegate-street, Jondon, E.C.

LANFAIR GREEN AND BLUE SLATE QUARRY COMPANY (LIMITED).—Manager, T. HARVEY, Esq.—TO BE SOLD, FORTY SHARES, at £1 per share. No calls.—Address, "A. B.," MINING JOURNAL Office, 26, Fleet-street, London, E.C.

RON MINE.—A VALUABLE IRON MINE FOR SALE BY
PRIVATE CONTRACT, situated in one of the richest mineral districts of
NORWAY. There are SMELTING-WORKS, MACHINERY, FORGES, and
WORKMEN'S DWELLINGS, &c. The expense of raising the ore trifling, and
an easy access to port of shipment.

Apply to Mr. E. V. Holford, Public Accountant, No. 17, Gracechurch street,
London.

TO BE DISPOSED OF, the HALF of a COLLIERY, situated in the thriving town of FLINT, and in the immediate vicinity of several actions and in the immediate vicinity of several versus of coal have been proven.

For further particulars, apply to Mr. Joseph Hall, Flint, North Wales.

BARYTES.—FOR SALE, WORKS, with PLANT, suitable for CRUSHING and BLEACHING the above material.—For particular apply to Mr. WILLIAM WESTON, 3. Osborne-terrace, Southsea, Hants.

FOR SALE, —A QUANTITY of unused DOUBLE-HEADED RAILS, 70 lbs. per yard; also some FLANGE RAILS, 70 and 75 lbs. per yard.—Apply to Mr. E. D. TILL, 26, Lombard-street, London, E.C.

GREEN SLATES.

CREEN SLATES OF ANY SIZE, and of the CHOICEST COLOUR and QUALITY, can now be OBTAINED from the DOROTHEA WEST SLATE COMPANY (LIMITED), OARNARVON.
The "CHARING CROSS HOTEL," "STAR AND GARTER HOTEL" (Richmond), "LONDON-BRIDGE HOTEL," and many other public buildings, are covered with these elegant slates.

"LONDOX-BRIDGE BASES, these elegant states.
Orders will be executed in regular succession.
Apply to Mr. Thomas Harver, General Manager, 9, Segontium-terrace, Carnarvon, or 33, King-street, Cheapside, London.

FOR SALE.—TWENTY BROAD-GAUGE COAL WAGONS, TO CARRY TEN TONS. Length, 15 ft.; width, 10 ft.; depth inside, 2 ft. 6 in.; wheels, 3 ft. diameter, with cast boses.—Further particulars may be obtained from Mr. NEAL, 15, Park-street, Westminster.

AILWAY WAGONS TO LET.—TEN 12-ton BROAD GUAGE
RAILWAY WAGONS, with tail boards, side flaps, and breaks, TO BE
LET, either on simple or redemption hire.
For particulars, address "The Secretary," South of England Wagon Company (Limited), 37, Great George-street, Westminster, S.W.

TO BE SOLD, CHEAP, a PORTABLE ENGINE of 14-horse power, double cylinder, of first-class construction, workmanship, and material. Winding gear to order. SECOND-HAND FORTABLES FOR SALE.

Apply to Mossrs. Sarrows and Carmichael, engineers, Banbury, Oxon.

DERING'S PATENT ENGINE FOR TUNNELLING,
MINING, QUARRYING, and BLASTING IN OPEN CUTTING.
A SAVING of THIRTY to SIXTY PER CENT. in labour effected where the

st of adit exceeds £6 per fathom.
TIME for DRIVING ADIT REDUCED FIFTY to SEVENTY-FIVE per cent. "These drilling engines are in daily use at the zinc mines of the Vieille Mon' tagne," &c.—Times, Dec. 24, 1866.
"One of these machines was shown to work in an exceedingly satisfactory manner upon hard granite."—Engineering, Dec. 21, 1866.

Particulars may be obtained of Mr. Derning, or Mr. Groyer, 20, Duke-street-Westminster.

O B E R T L I B B Y A N D S O N,
MINE AND SHAREDEALERS, &c.,
CAMBORNE, CORNWALL.

LEAD ORES.
 Date.
 Mines.
 Tons.
 Amount.
 Purchasers.

 June 13—Minera Boundary, &c. 25
 £13
 2
 6
 Walker, Parker, & Co.

 —Bryn Gwsog
 45
 13
 11
 6
 6
 Mam Eyton.

 —Whiteweil
 30
 12
 6
 6
 Adam Eyton.

 —ditto
 30
 12
 6
 6
 Runcorn Smelting Co.

 14—Great Laxey
 100
 22
 15
 6
 Burry Port Co.

| BLACK TIN. | Date. | Mines. | Ts. c. q. lbs. Price p. ton. | Amount. | June 15-Wheal Uny ... | 8 | 18 | 0 | 9... | 249 | 0 | 0 | ... | -... | -... | -... | -... | 20 | 19 | 3 | 2... | ... | 1112 | 7 | 8-... | -... | 20 | 19 | 3 | 2... | ... | 1112 | 7 | 8-... | -... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 20 | 19 | 3 | 2... | ... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-... | 500 | 16 | 7-

COPPER ORES.

COPPER AND COPPER ORES Sold at LIVERPOOL, from June 1 to June 14.

COPPER AND COPPER ORES

Sold at Liverroot, from June 1 to June 14.

Messrs. Pitcairn-Campbell and Co. (June 14) write—Further depression has been manifested in the market during the fortnight, and the heavy charters again advised by the mail of May 2 from the West Coast, S.A.—3000 tons pure copper—will, we fear, confirm the tendency. Lower prices have been accepted, and our quotations, as follow, are somewhat nominal—Bars, 70. to 151. ingots, 791. and 801. ore and regulus, 142., and 148. 3d.; Barilla, 158. to 158. 6d. Sales since our last have been—

Mine or ship. Tons. Price.

Bars—Buch. Sutherid. 31 . £71 0 0 | Ore.—Second hands. 300 . £ 0 14 3 Bars—Corinna . 170 . 71 0 0 | Ore.—Second hands. 300 . £ 0 14 3 Bars—Second hands. 50 . 71 5 0 | Reg.—Second hands. 273 ditto Bars—Second hands. 52 . 0 14 3 Bars—Second hands. 274 ditto Reg.—Second hands. 52 . 0 14 3 Bars—Second hands. 275 ditto Reg.—Second hands. 337 . 0 14 3 Bars—Second hands. 275 ditto Reg.—Second hands. 337 . 0 14 3 Bars—Second hands. 275 ditto Reg.—Second hands. 375 . Private. Reg.—Second hands. 375 . Private. Reg.—Second hands. 375 . Private. Reg.—Second hands. 276 ditto Reg.—Second hands. 52 . 10 14 3 Bars—Second hands. 275 ditto Reg.—Second hands. 50 . 71 5 0 | Reg.—Second hands. 275 ditto Reg.—Second hands. 52 . 10 14 3 Bars—Second hands. 52 . 10 14 3 B

COPPER ORES. Sampled June 6, and sold at the Royal Hotel, Truro, June 20.

Mines.	Ton	8.		ice.		Mines. T	ons.	Pr	ice.	
Devon Grea	t Consols128		£5	16	6	East Caradon		£3	11	(
ditto			5	4	6	ditto	76		10	0
ditto	******120		4	16	0	ditto	62	4	15	-
ditto	118		5	10	6	Brookwood	90	4	3	
ditto	117		4	0	6	ditto	74		13	1
ditto	115		5	15	0	ditto	51			(
ditto	111		3	17	0	ditto	50	2	14	(
ditto	******109		5	9	6	ditto	44	10	0	(
ditto	******107		5	11	6	Okel Tor	88	3	5	-
ditto	105		3	4	0	ditto	80	1	12	-
ditto			5	11	6	ditto	78	1	12	-
ditto	102		2	6	6	ditto	28	7	10	1
ditto	90		4	6	6	Wheal Friendship	84	5	4	1
ditto	68		2	17	6	ditto		2	8	1
ditto	58		2	13	0	ditto	33	11	14	-
ditto	****** 47		1	13	0	Bedford United			11	-
ditto	38		13	10	6	ditto		2	19	1
ditto			13	10	6	Prince of Wales	49	9	15	1
ditto	21		7	8	6	ditto		9	13	-
Marke Vall	еу 86		2	15	6	ditto			5	1
ditto	67		5	11	6	Gawton			11	1
ditto	62		5	0	6	ditto			3	1
ditto	61		3	9	6	ditto		6	15	1
ditto	60		5	5	6	Gunnislake (Clitters)		5	7	1
ditto	51		1	11	0	Fursdon			5	-
ditto			5	6	6	Sortridge Consols			15	1
East Carad	on 89		3	12	6	Wheal Edward	9	ī	11	1
			TO		P	RODUCE.		-	-	
Davien Cree	4 Clan 1200	-				Dulmas of Wales 100			**	

Devon Great Con.1706 ... #8362 5 0 Marke Valley... 431 1765 11 6 East Caradon... 310 1255 6 6 Brookwood... 309 1412 2 0 Okel Tor 274 754 19 0 Wh. Friendship... 153 901 0 6 Bedford United... 134 437 16 Prince of Wales. 132 . £
Gawton 129 ...
Gunnislake(Clit.) 52
Fursdon 26
Sortridge Consols 24
Wheal Edward ... 9

| Companies | Comp Total 3689 £17,015 12 6

Copper ores for sale at Tabb's Hotel, Redruth, on Thursday next.—Mines and Parcels.—South Caradon 581—Clifford 351—West Damsel 237—Great North Downs 209—Phænix 199—Hallenbeagle 93—Grambler 22.—Total, 1:92 tons.

Copper ores for sale at Tyack's Hotel, Camborne, on Thursday week.—Mines and Parcels.—Clifford 670—West Seton 642—South Frances 270—Carn Camborne 130—East Pool 120—Wheal Basset 168—Wheal Polmear 76—Nangiles 59—North Roskear 58—Tolcarne 57—Fowey Cousols 56—North Grambler 50—South Condurrow 48—Smily Henrietta 33—North Crofty 25—South Tolgus 21—Wheal Agar 19—South Basset 14—Old Pembroke 4—Maudlin Mine 5—Mitchell's Ore 1.—Total, 2635 tons.

THE MINING JOURNAL

WATSON AND CUELL'S MINING CIRCULAR,

WATSON AND CUELL,

MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MINING AGENTS, STOCK AND SHARE DEALERS, &c.

1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MESSRS. WATSON AND CUELL having made arrangements for transferring their weekly Circular, which has had so large a circulation during the past ten years, to the columns of the Mining Journal, their special eports and remarks upon mines and mining, and the state of the share market, will in future appear in this column.

In the year 1843, when Cornish mining was almost unknown to the general pablic, attention was first called to its advantages, when properly conducted, in the "Compendium of British Mining," commenced in 1837, and published in 1843, by Mr. J. Y. WATSON, F.G.S., author of "Gleanings among Mines and Miners," "Records of Ancient Mining," "Cornish Notes" (first series, 1863), "Cornish Notes" (second series, 1863), "The Progress of Mining," with statistics of the ining Interest, annually for 21 years, &c., &c. In the Compendium, published in 1843, Mr. WATSON was the first to recommend the system of a "division of small risks in several mines, ensuring success in the aggregate," and Messrs. WATSON and CUELL have always a selected list on hand. Perhaps at no former period in the annals of mining has there been more peculiar need of honest and experienced advice in regard to mines and share dealing than there is at present; and, from the lengthened experience of Messrs. WATSON and CUELL they are emboldened to offer, thus publicly, their best services to all connected with mines or the market, as they have for so many years done privately, through the medium of their own Circular.

Messrs. WATSON and CUELL transact business in the purchase and sale of mining shares, and other securities, payments of calls, receipt and transmission of divis ends, obtaining information for clients, and affording advice, to the best of their knowledge and judgment, based on the experience of more than 30 years active connection with the Mining Market.

Messrs. WATSON and CUELL also inform their clients and the public that they transact bu

PRINCE OF WALES.—One of the largest shareholders has done this week what we should advise every shareholder to do—i.e., he has spent a day in inspecting and examining the mine for himself; and as he has written us a full account of his visit, and gives us liberty to make what use we please of his communications, we shall give our readers some extracts from them, merely premising that the writer has been nearly 20 years connected with mining. First, in reference to any increase of water when the north lode is cut, he says—"The large quantity of water issuing from the bottom of the 55 east, as it did from the deast, proves, beyond doubt, that the north lode has been unneatered through its junction with the south lode some fathoms to the east." (This junction was referred to by us some months ago.) "Capt. Gifford says that the engine is now working only four strokes a minute, instead of ten or twelve, which it is capable of doing, and would meet any emergency the cutting the north lode is likely to create." "All the indications of a lasting mine and continuous courses of or are clear to any impartial inspector of this property; and my advice is that you recommend your friends to hold these shares, as an investment second to none, in the prospect of increasing and continuous dividends." "I am not over sanguine, after my experience in mining, but I cannot report too favourably of this mine, and he considered as exaggerating the facts." "There is a fine pile of rich ore ready for sampling, and after a month or two the returns will be considerably increased, though Capt. Gifford treats the returns as a secondary considerably increased, though Capt. Gifford treats the returns as a secondary considerably increased, though Capt. Gifford treats the returns as a secondary considerably increased, though Capt. Gifford treats the returns as a secondary considerably increased of the mine; induced, there does not appear to be a single contre temps that the most ingenions 'bear' can suggest to rich coper at a role of the sound m PRINCE OF WALES .- One of the largest shareholders has done this

WEST MARIA AND FORTESCUE MINE.—The periodical meeting of shareholders was held on Wednesday, among those present being Messrs John Bayly. Plymouth: J. E. Watson, Glasgow: C. Tytherley, Exeter; T. Nicholls, Tavistock; M. Loam, Jun., Liskeard; P. M. Hadley, Exeter; J. J. Hamley, Plymouth: Capt. W. Skewls, and Capt. J. Donnel. This mine is an example of what perseverance often accomplishes in mining adventures. At the commencement there were some who expected that great profits would at once be made, and when this was not done the mine was run down, and represented as a blank. The great body of shareholders, however, determined to persevere, and after a large outlay have appar.ntly succeeded in making a valuable mine. They are to be congratuated on their success. Many mines have been stopped in circumstances similar to those through which the West Maria and Fortescue has passed. Mr. Watson the purser, produced the accounts, which showed correlit balance of 3204. Iss. 9d. A discussion followed concerning several of the tems, but it was eventually provosed by Mr. Hadley, and seconded by Mr. Tytherley, that the accounts should be passed. Mr. Watson read the report from Captains W. Skewls and J. Donnel, the agents of the mine. Mr. Tytherley said there was nothing in the report as to when the next sampling would take place. He thought a statement in reference to the ores of the mine should be made. Mr. Hamley quite agreed with the last speaker, and after a few remarks from Messrs. Hadley and Nicholls, the following was added to the report:—'In nabout three weeks we expect to ample from 70 to 80 tons of copper ore, in addition to the tributers' and the mundic ores.' A short conversation ensuel, reference being more particulary made to the present position and prospect of the mine, which were considered to be very satisfactory. Mr. Nicholls, after some calculations had been made, proposed that call of 2s, per share should be made to meet the expenses of the mine for the next four months. Captain Skewis see conded the pro WEST MARIA AND FORTESCUE MINE.—The periodical meeting of

We are glad to learn that Dr. C. Le Neve Foster, the secretary of the Royal Cornwall Polytechnic Society, so well known for his successful tuition of mining classes in West Cornwall, and lately appointed a juror at the Paris Exhibition, has recently received a very lucrative appointment in Turkey, and will proceed there shortly.

Mr. William Bryant, who has had great experience in the manageent of mines both at home and abroad, has received the important appoint-ent of toller for the mineral property of Viscount Falmouth, in the place of T. Theophilus Michell, who held that office nearly 29 years, Mr. Michell suc-eded Capt. John Lean, who was preceded by Mr. John Trestrail, of Chevelah.

With regard to relinquishments of mine shares, it has been frequently held (erroneously, however) that adventurers cannot relinquish their shares without first of all paying the calls in arrear. This is quite contrary to the law. A shareholder may at any time cease and determine his responsibility, and resolve to incur no further cost, by sending in the usual relinquishment to the purser, who is bound to accept the same. He cannot, however, transfer his shares to anyone else until his calls have been paid.—West Briton.

CORNISH PUMPING ENGINES.—The progressive increase in depth and extent of the Cornish mines has introduced an intermittent system of pumping, because the engines that would be ultimately required cannot be applied to lesser depths and smaller quantities of water with any degree of propriety. Their engines, therefore, stand still for some seconds of minutes between every complete stroke, until the valve gear be released by the action of the governing piston and cylinder, in order to allow a sufficient accumulation of water to fill the pumps. There is an inconvenience in this mode of pumping quite independent of the kind of engine adopted. That is to say, a column of water, perhaps several hundred fathoms in length, has to be put into rapid motion from a perfect state of rest at every return stroke. Such a column will resist as if it were a solid body, and must, therefore, cause a considerable loss of power, not effectively employed with double and treble pump barrels with a single suction and force pipe the column of water is in constant motion, and there is no loss of power from intermittent action. I do not mean to say that the continuous system of pumping is at all applicable to the Cornish mines, but if it could by any means be adopted by introducing smaller coupled engines working alternately, then, indeed, the Cornish type would show a very great superiority over the rotative engine. I have myself long since made the reverse experiment by causing the oldest form of Cornish engine with open cylinder to drive a crank with perfect uniformity of motion, by so governing steam and injection as exactly to balance the pressure of the atmosphere, substituting, of course, the modern parallel motion for the old fashioned chains. Economy of steam was not my object, as I had abundance at command, but the cost of the engine was comparatively trifling.—HENRY W. BEVELEY, of Reading: The Engineer.

APPLICATIONS FOR SHARES,-Where a person has made an appli-APPLICATIONS FOR SHARES.— where a person has made an application for shares, accompanied by a payment of the required deposits, some not of the acceptance by the company of that application is necessary in order bind the applicant, and the mere entry of his name upon the company's regist is immaterial. This was the holding of the Lords Justices in re The Richmon Hill Hotel Company (Peliatt's case).

THE ROSSA GRANDE GOLD MINING ESTATE.

Rossa Grande Gold Mining Company

Capital £100,000, in 100,000 shares of £1 each.

SECOND ISSUE.

ISSUE OF REMAINING SHARES,-viz., 30,000, WHICH WILL COM. PLETE THE AUTHORISED CAPITAL OF £100,000.

Deposit 10s. per share, and 1s. per share premium.

DIRECTORS.

CHAIRMAN-HENRY HAYMEN, Esq., Chairman of the Don Pedro North del Rey Gold Mining Company (Limited). ROBERT HESKETH, Esq., Director of the Don Pedro North del Rey Gold Mining Company (Limited).

ROBERT WALLEN JONES, Esq., Director of the European Assurance Society, 7, Ormonde-terrace, Regent's-park.

GEORGE NOAKES, Esq., Managing Director of the Great Wheal Vor United Mining Company, and of the Chontales Gold and Silve Mining Company, Gresham House.

ADAM SCHOALES, Esq., Colville-gardens, Bayswater.

CHARLES WILLIAM WHITE, Esq., Messrs. Bakers, White, and Morgan, Hibernia-chambers, London Bridge, and Croydon, Surrey,

AGENTS IN BRAZIL-Messrs, ALEXANDER FRY and Co. CHIEF MINING ENGINEER-Capt. B. BROKENSHAR. BANKERS-Imperial Bank, Lothbury.

BROKER-JOHN H. GOLDING, Esq., 3, Warnford-court.

SOLICITORS-Messrs, HANCOCK, SHARP, and HALES, 25, Birchin-lane,

SECRETARY-JOHN E. DAWSON, Esq.

OFFICES,-No. 9, SISE LANE, BUCKLERSBURY, LONDON, E.C.

This company was established in January, 1864, for the purpose of working certain gold mines, which will be found fully described in Captain Thomas Treloar's report, annexed hereto.

During the time the company have been waiting for legal possession, a new 12-head stamping mill has been erected, and work, preparatory to the opening of the mines, carried on upon a small scale.

The company having obtained legal possession of the property, Messrs. Henry Haymen and Robert Hesketh, Directors of the Don Poles North del Rey Gold Mining Company (Limited), have joined the board, and instructions have been sent out to carry on the works with a possible despatch, to promote which object the directors have decided to appoint a superintendent, so that the mining captain's time as been entirely devoted to laying out and developing the mines. The appointment of superintendent has been offered to a gentleman who has been connected with Brazilian gold mining upwards of 30 years, and the directors have reason to think that he will accept the appointment The directors have instructed him to commence operations on the unexplored Jacotinga formation, from which satisfactory results at looked forward to, considering its close proximity to the Gongo Soco lode.

Prospectuses and forms of application can be obtained at the offices of the company; or of the solicitors, bankers, or broker.

REPORT ON THE ROSSA GRANDE GOLD MINING ESTATE.

PROVINCE OF MINAS GERAES, BRAZIL.

REPORT OF CAPTAIN THOMAS TRELOAR.

Sabara, April 10, 1862.—Having, in accordance with your request examined the Gold Mining Estate of Rossa Grande, in the province of Minas Geraes, Brazil, I have now the pleasure of addressing to you my report thereon.

Rossa Grande Estate is situate between the celebrated gold mining Rossa Grande Estate is situate between the celebrated gold mining estate of the St. John del Rey Mining Company and Gongo Soco. Its distance from the former is about 20 miles in a north-easterly direction, and from the latter about three miles in a south-westerly direction. Its distance from the capital of the province—Ouro Preto—is about 40 miles northerly, and it is within a few hours' walk or ride of the City of Sabara, the populous town of Caethe, and the villages of St. John de Morro Grande, Socorro, Morro Vermelho, and others.

Rossa Grande is one of the famous mining estates in the great gold mining district of Minas Geraes, and its reputation arises from its fourfold advantages of rich auriferous lodes, good water-power, extensive forests, pastures, and arable land, and convenient position for labour, materials, and provisions. In respect to pasture and tillage ground, I believe it is superior to any other gold mining estate in the gold mining district.

The estate is very extensive. It stretches on both sides of the Serra de Socorro, leading to Gongo Soco, and the boundaries are well defined. A river and other streams run through the property, from which sufficient water can be obtained, at a considerable elevation,

which sufficient water can be obtained, at a considerable elevation, for mining operations on a large scale.

The road from Gongo Soco to the St. John del Rey Company's mine, and to the City of Sabara, passes through the estate.

The rock is chiefly clay and talcose slate, of that character which is highly congenial to suriferous formations; and, when I add to this that the lodes are not very distant from the junction of the slate and granite, every experienced miner will understand its significance. Gold mines in Brazil, as well as copper and tin mines in England, are valueless when very far from the mysterious effect of the junction of these two great rocks.

The estate contains three distinct auriferous rock formations, which

The estate contains three distinct auriferous rock formations, which can be traced for miles, besides a jacotinga formation in the direction of Gongo Soco, unexplored. I may also mention that at a place

tion of Gongo Soco, unexplored. I may also mention that at a place called Palmatal, on the estate, diamonds are said to have been found, and the diluvial and alluvial deposit in the valley is believed to contain sufficient gold to make it remunerative for working.

The rock formations may be said to be parallel, so far as yet opened, both in direction and dip, the direction being easterly and westerly, and the dip about 40° southerly. But the lodes are so far apart from each other, that the workings upon one will be no impediment to the operations upon its neighbours.

The outcrop and the excavations upon the first and second are at a considerable elevation above the valley, and above where the lodes cross the valley; consequently, the advantages for drainage by adits and openings on the lodes are of no common order. But the workings on the third formation are in the valley; so here pumping machinery, instead of adits, must be had recourse to.

ings on the third formation are in the valley; so here pumping machinery, instead of adits, must be had recourse to.

The first rock formation, or upper lode, is about 6 ft. wide. It consists chiefly of white quartz and iron, and it has yielded from 4 to 40 cits., or from 1 oz. to 5 ozs. of gold per ton. An adit, which occupied the proprietors five years in driving, reached to within 6 fms. of the lode, when, owing I believe to mismanagement, a crash occurred, extended to the workings of the lode, and the mine was, therefore, stopped; it has not been opened since. I need not say a diffi-culty of this kind would be easily overcome by an English mining company and Cornish miners.

company and Cornish miners.

The second rock formation, or middle lode, varies in size from 6 to 12 ft. wide; it is composed chiefly of yellow quartz and auriferous arsenical pyrites. Frequently lumps of gold have been found in it, and the ore in the Olhos, or swells, has afforded 50 oits, or upwards of 6 ozs., of gold per ton. The workings on this lode are at a lower horizon in the mountain than those on the upper one, and the proprietors though greatly invested and facility though greatly invested and facility through greatly invested and facility through greatly invested. prietors, though greatly impeded and finally stopped by water, realised sufficient to pay all expenses and leave a profit, refused to let this mine for a rent of £6500 per annum. It has not, I believe, been wrought since this period.

The third, or lower rock formation, is of greater magnitude than the other two together, being about 36 ft. wide. Its composition is mainly quarts and brown oxide of iron, designated by the Brazilians In depth this formation will, probably, graduate into a

pyritic rock formation, similar to that of the St. John del Rey Cenpany's Mine, Morro Velho. The whole mass of this lode is surficous, and portions of it have yielded 50 oits, of gold per ton. The cavations are in the valley, and as they were large, rudely secured, as water had appeared, the proprietors became alarmed for the safey of their people, and abandoned it in consequence. This lode should receive early attention from a company.

of their people, and abandoned it in consequence. This lode should receive early attention from a company.

I abstain from holding out any expectations from the jacotian formation, the diamonds, and the deposit in the valley. Confining, therefore, my calculations to the three rock formation, and carefully considering every particular as to cost, capabillised the lodes, and their general auriferous quality, I am of opinion at under the management of an honest, experienced mining engines, the following estimate may be safely relied upon:

Working cost, Gold returns.

 Years.
 Working cost. Gold returns.
 Estimated prefix

 First year
 £10,000
 (five year)

 Second year
 25,000
 £22,500

 Third year
 45,890
 67,500
 Average prefix

 Fourth year
 70,000
 112,500
 first five year

 Fifth year
 80,000
 140,625
 £22,400 p. anns
 £238,000 £343,125

Equal to an average of 56 per cent, per annum, upon a called capital of £40,000.

Equal to an average of 50 per cent, per annum, upon a cases—capital of £40,000.

In the fifth year, I estimate that 250 borers would be employed 75,000 tons of ore treated, which would yield 5 oits, or a little above 1 oz. of gold per ton, and stamping-mills erected to the extent of 12 heads. Some are of opinion that, once the lodes opened, the ore raised will afford 1 ounce of gold per ton; but I differ from the After the second year, the supply would, I believe, be sufficient allow the ore raised to be picked to the extent of 10 per cent, so the picked ore I have only estimated at 5 oits, of gold per ton.

The existing stamping-mills, dwelling-houses, &c., on the proper, are in a very dilapidated state, but may easily be restored.

I have known Rossa Grande for the last 28 years, therefore have witnessed what I have stated. Rossa Grande is now in the same of dition as some other gold mining estates in the rich gold mining fell of Minas Geraes. Like them, it only requires capital, econom, and practical experience to make them as legitimately remunerative the rock mine of the St. John del Rey Mining Company.

Rock formations are preferable, in my opinion, to jaconting for meaning the meaning of the st. John del Rey Mining Company.

the rock mine of the St. John del Rey Mining Company.
Rock formations are preferable, in my opinion, to jacontings formations. The latter are, doubtless, more tempting to speculate, because the precious metal is found in bunches. One year the ming may be very poor, the next very rich; but rock formations are ming constant and sure. Once the average auriferous quality of a rock formation can be safely estimated, the cost and the returns committed in the range of safe calculations. Of the rock formations is Brazil it may be truly said that mining in them partakes more of the character of commercial enterprise than that of mining adventure. Another circumstance in connection with gold mining in Brazil is

Another circumstance in connection with gold mining in Brailia well worthy of remark in this place. Companies now have the sevent age of past experience. When I went to Morro Velho, in 18th, that mine was in a miserable condition, for want of experience in the control of the handling it. By figure certain conditions; By figures I showed what the mine was capa certain conditions; these figures are on record; I advised a coult was followed, and the result has been the prosperous state of

St. John del Rey Company since that period.

I have only to add, that almost adjoining the Rossa Grandesisis is the gold mining estate of Juco Vieira. It has good reputs, ad on it are an excellent stamping-mill of 12 heads, a flour mill, seed good dwelling houses, &c. The mine is in the valley, and the working the stamping of the st good dwelling houses, &c. The mine is in the valley, and the workings, though not deep, are down to water—a Brazilian's sopping point, for want of knowledge of pumping machinery. I believe the proprietors would be glad to dispose of the estate for a little most than the value of the plant; and as it would be very advantagent to Rossa Grande I would advise purchasing it.

I am, dear Sir, yours faithfully,

THOMAS TRELOAS.

For 16 years Chief Mining Engineer to the St. John del Rey Gib Mining Company, now Chief Mining Engineer to the Den Polity North del Rey Gold Mining Company (Limited), and the Anjo Brazilian Gold Company (Limited).

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PHE MINING JOURNAL

Notices to Connespondents.

. Much inconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be filed on receipt: it then forms an accumulating useful work of

be filed on receipt: It then forms an accumulating useful work of reference.

BEFEITURE OF SHARES.—Will you kindly inform me whether I have any remains a property of the following circumstances:—I held 25 shares in a cost-book most under the following circumstances:—I held 25 shares in a cost-book mely when where for a long time unsaleable, and being unable to pay the calls, give which others, for fotted at meetings specially called for that purpose held when the shares have been in demand on the market, and are now eagerly must be share have been put up for sale at public auction, but in consequence has share have been put up for sale at public auction, but in consequence has share have been put up for sale at public auction, but in consequence has shares have been of sold. Can I recover from the committee the difference from their reserve price and the calls due, or must I wait until the shares a sold 7-0.

**ANDREA-" A Subscriber."—For the past form.

as sold "-V. are sold "-V. are

pleases.

AND IRON SMELTING.—J. J. (Croixton).—The best work to procure on the ure and value of the different iron ores of Great Britain, and the relative of amelting the same, is Dr. Porcy's "Metallurgy of Iron and Steel," public by John Murray, of Albemarie-street.

sure on our space compels us to postpone the letters from Mr. Craddock opper Miner;" "A. F.;" "Investigator;" and several articles and misneous matters.

cellaneous matters.

HARE DEALING.—We never interfere in the sale or purchase of shares; neither of the recommend any particular mine for investment or speculation, or broker during hydrom business should be transacted. The addresses of most of the later appear in our advertising columns.

THE MINING JOURNAL,

Railway and Commencial Gazette.

LONDON, JUNE 22, 1867.

"HALOXYLIN"-NEW BLASTING POWDER.

"HALOXYLIN"—NEW BLASTING POWDER.

The vast importance to the miner of a thoroughly good blasting powder causes considerable interest to attach to all inventions relating to the manufacture of that article, especially when additional adnatages are obtained without a corresponding increase in the cost of production. For some time past a new blasting compound—the sorely of which, however, consists rather in the mode of manipulating the materials than in the materials themselves—has been exessively used in the mines and quarries of the Austrian empire, under the name of haloxylin, which appears to have given great satisfaction, both from the quantity of work done and the manner of doing it. It is one of those powders which has the property of merely burning away when in the open air, and yet exerting a great reading force when properly confined in the blast-hole; whilst it is not liable to ignite spontaneously, and cannot be exploded by percusion or friction. The smoke resulting from the explosion is less in volume than usual, and, in addition to this, it is free from the usual suffocating character of powder smoke; in fact, there is nothing in the residue injurious to health, or even disagreeable, so that operations can be carried on without intermission. A pound of haloxylin will occupy nearly twice the space of 1 lb. of gunpowder; and as haloxylin does fully two-thirds the amount of work, bulk for bulk, as any powder now in use, it follows that a material saving of cost is effected. It is claimed that haloxylin has a tendency to cleave rather than scatter or crumble the rock in which it is used; but as this is a property possessed equally by all slow-burning powders, it may well be passed over; but the circumstance of the explosion leaving the rock free from soil or stain would, no doubt, be a great advantage in salt mines, in marble quarries, and where metallic traces should be preserved from discoloration.

The invention of haloxylin is due to Messrs. WILHELM and Ernst FEILEISEN, of Styria; it consists in manu The vast importance to the miner of a thoroughly good blasting

aquick powder is required. The subsequent processes of caking, ganulating, and drying are conducted in the same way as is usua in the manufacture of ordinary powder, and the grains can, if detired, be polished as usual, but this is found to be unnecessary.

aired, be polished as usual, but this is found to be unnecessary.

Owing to the great cost of carrying explosive materials, the importation of haloxylin from Germany is, commercially, out of the question; it is, therefore, proposed to manufacture it in this country. There are at present three factories in Styria, Hungary, and Moravia respectively, yet they are scarcely able to keep pace with the continually increasing demand, and it is to this circumstance alone that is to be attributed the fact that until now no efforts have been made to introduce it into England. The Hunyad board of the Kronstadt Mining and Smelting Company made careful comparative experiments in their Telek iron mines, and obtained with half the weight of haloxylin the same results as with the powder in ordinary use; but such a high duty as this probably resulted from some exceptional Greumstance not having been taken into account; that 2 lbs. of haloxylin, however, will do as much as 3 lbs. of other blasting powder appears to have been well ascertained. The Austrian State Railway Company certify, as the result of the experiments made at their mines in the Banat, that the trials in the coal mines of Doman took place in a cross-course when very dense vapours prevailed; nevertheless, the place could be appeared. in the Banat, that the trials in the coal mines of Doman took place in a cross-course when very dense vapours prevailed; nevertheless, the place could be approached immediately after the blasting, no smoke being left. As to the effect, 2 to 24 ozs, of haloxylin are equal to 3 to 34 ozs, of blasting-powder. The result of the experiment with this substance showed that a firmer enclosing wall was required than with powder; the effect upon the rock was more cleaving than crushing, and on account of this property it promises considerable advantages over powder for the blasting of coal. In the ironstone mines of Morawieza the experiment was made in less firm rock, with large bores, and a charge of 25 to 30 lbs. of haloxylin produced an effect tores, and a charge of 25 to 30 lbs. of haloxylin produced an effect exceeding by one-third that of gunpowder. Such evidence as this is sufficient to prove that haloxylin has, at least, some advantage over ordinary blasting-powder; and when the quantity of blasting-powder annually used in Great Britain is taken into consideration, it will be readily understood that, assuming even the smaller estimate of 30 per cent, of saving, the inducement for the miners of this country to adopt it will be ample to ensure under any circumstances, a fair remune-30 lbs, of haloxylin produced an effect it will be ample to ensure, under any circums ration to those undertaking the manufacture. le to ensure, under any circumstances, a fair remune

EXPORTS OF PIG AND PUDDLED IRON.—The quantity of pig and puddled iron exported from the United Kingdom has largely increased this year, having amounted in April to 60,939 tons, as compared with 42,922 tons in April, 1866, and 54,179 tons in April, 1865, and in the four months ending April 30 to 185,897 tons, as compared with 130,193 tons to the corresponding date of 1865. The exports show some progress to France and the United States, but the great increase in the demand has proceeded from miscellaneous sources. The value of the pig and puddled iron exported to April 30 this year was 539,2347, as compared with 452,230% to the corresponding date of 1865, and 407,229% to the exported in 1866 was 497,138 tons, as compared with 547,641 tons in 1865, 465,985 tons in 1864, 466,423 tons in 1863, 444,708 tons in 1862,

388,004 tons in 1961, 342,566 tons in 1860, 316,376 tons in 1859, 363,143 tons in 1858, and $\pm 22,086$ tons in 1857. The value of these 10 years' exports was as annexed:—1866, 1,544,647L; 1865, 1,599,491L; 1864, 1,412,352L; 1863, 1,287,968L; 1862, 1,203,641L; 1861, 1,044,304L; 1860,974,065L; 1859,901,929L; 1858,1,084,170L; and 1857,1,609,115L

FUEL FOR THE INDIAN RAILWAYS.—At the existing rate of freights coal and coke, before they are landed in India, cost 50s, per ton, and the extra charges, so far as the Western and Southern districts are concerned, raise the cost to about 60s. The East Indian Company have exceptional advantages from the coal fields near Calcutta, and the cost to them of coal per train mile is 34d., while on the Great Indian Peninsular it is 1s. 64d. Coal from Australia and Labuan is being tried, but wood is looked to as the resource that must in many cases be relied upon, and with that view planting on an extensive scale should take place, it is considered, annually for several years to come.

FRICTIONAL ELECTRICITY WITHOUT FRICTION.

FRICTIONAL ELECTRICITY WITHOUT FRICTION.

It is only a few weeks since that our Special Correspondent at the Paris Exhibition gave a very interesting account of a new dynamomagnetic machine, invented by Mr. W. Ladd, of Beak-street, London, the great recommendation of which was that the electricity was produced without the consumption of material—the quantity of electricity produced being in proportion to the power applied in producing it. For compactness and efficiency Mr. Ladd's invention will, probably, long enjoy the most prominent position, but it is not the sole machine in which electricity is produced by the consumption of power alone. Whilst Mr. Ladd has been occupied with the magneto-electric machine, Prof. W. Holtz, of Berlin, has been achieving equally important results with the frictional machine, so that it would really appear that we have produced that marvellous fluid by the consumption of material, simply because we were but imperfectly acquainted with its nature. In appearance, Holtz's machine resembles the ordinary plate machine—in fact, the most prominent part is a glass disk, which is mounted and revolved in the usual manner. But the plate is thinner—the thinner the better—and as it is desirable to revolve it very rapidly, a multiplying wheel is connected with the plate, so that the speed may be increased to the extent desired. The machine, however, has really but little resemblance to the plate machine, for it has no rubbers; it produces torrents of frictional electricity, but the electricity is not generated by friction; there is no friction about the machine, except at the axle bearings. The plate revolves in free air, and nothing should touch it. In the place of rubbers are what are called inductors, which are strips of paper 3 or 4 in. long, and about 1 in. wide. They are supported and insulated on pieces of glass, which are of spear-head form. The inductor is made complete by pasting on to the paper pointed pieces of cardboard, which project beyond the glass spear heads an inch or two.

are insulated from it. The balls at the ends of the rods may be connected to each other in any desired order by means of bent wires.

To obtain the electricity, one of the inductors is slightly charged, by means of an excited rod of hard rubber, glass tube, or otherwise, and turning the crank. Its power progressively increases for about a minute, and until it reaches the maximum, when it furnishes a steady supply of electricity as long as the disk is revolved. The amount of electricity, which a disk of only 2 ft, in diameter will yield, is enormous.

amount of electricity, which a disk of only 2 ft, in diameter will yield, is enormous.

To explain the action of the machine three elements must be considered—the inductor, the plate, and the comb points. If a pointed wire be brought opposite an electrified body—as, for example, a prime conductor—the positive electricity of the prime conductor attracts the negative of the wire, and repels its positive, and a stream of negative electricity flows out of the wire at its point, while the positive flows to the opposite direction. Now, suppose a sheet of glass be interposed between the point and the conductor. The attraction of the positive electricity of the conductor for the negative of the wire is by no means lessened; the negative is accumulated owards the point, and by reason of its higher tension flows out on to the glass. But the glass is impervious to the electricity, and it remains on its surface; the glass becomes electrified. In Prof. Holtz's machine we have the electrified body in the inductor, the wire point opposite, and the glass plate interposed. Suppose inductor No. 1 electrified positively, this positive electricity attracts negative electricity out of the comb points on to the interposed plate. The plate moving on the part electrified negatively comes opposite card points of inductor No. 2. Here the negative electricity of the plate draws out of the card points positive electricity on to the glass, and inductor No. 2 becomes charged negatively, while the glass is negatively charged on the further side, and positively charged on the near side. Inductor No. 2 being charged negatively draws positive electricity out of comb points No. 2, and neutralises the negative drawn from comb points No. 2, and neutralises the negative drawn from comb points No. 1. Card points No. 3 discharge negative electricity on the plate, and inductor No. 3 becomes positive, and, like No. 1, draws negative electricity out of the corresponding comb point. It will be seen that the alternate inductors are oppositely electrified, To explain the action of the machine three elements must be con-

MECHANICAL WASHING OF COAL EDWARDS'S IMPROVED PATENT MACHINERY.

An improved and very efficient coal-washing machine has been invented by Mr. EDMUND EDWARDS, C.E., of the Adelphi, London, and which is coming into very extensive use, with the addition of some important improvements which he has recently patented. Essentially this machine consists of a rectangular screen of wire, or perforated metal, placed in a cistern of water, and upon which the coal is fed from a hopper. The method in which the vibration or blow of the water is given, in order to effect the separation of the coal and dirt (consisting of iron pyrites and shale, &c.) into layers, according to their respective specific gravities, is peculiarly effective, and has only been brought to its present perfection after many years of exto their respective specific gravities, is peculiarly effective, and has only been brought to its present perfection after many years of experiment and practice. The species of motion in the water, which the inventor deems to be necessary to produce the most perfect effect, consists first of a very sudden rise through the perforations of the plate upon which the coal rests. This rise need not be of great extent, but it should be very sudden, so as to throw up the mass of coal and dirt in and with the water. Secondly, the motion of the water should then cease entirely, the effect of this being that the several particles which compose the mass thrown up fall through the still water at speeds proportioned to their weights, so that the heavy dirt falls first upon the screen, then the lighter impurities upon the dirt, and finally the clean coal upon the latter.

If the water, after being thrown up in the way described, were drawn down with equal violence the result desired would be very imperfectly obtained, and only after a long succession of pulsations. This is because the particles would not be allowed to range themselves in the order of their several weights by falling through the still water,

This disc is provided with an arrangement to secure its vertical descent, and has also attached to it a block of hard wood, by striking which a blow of exactly the sudden kind required may be given to the water. This blow is given by the strokes of a succession of cams upon a revolving shaft, which is carefully arranged in such a position that the blow may be struck precisely upon the centre of the disc and its attachments, and so that any unnecessary wear and tear may be avoided. Thus, at each blow, the water is thrown up through the screen, carrying the coal and dirt with it, whilst after the blow, these substances fall through the screen, raising the disc gently for the next stroke. The whole of these operations take place at the rate of about 100 per minute, or, if three cams be arranged upon the shaft, at from 30 to 40 revolutions of the latter. At this speed the effect is perfect; the coal and other substances fed into the hopper ranging themselves rapidly into as many layers as there are different specific gravities in the component mass (assuming the size to be moderately uniform), and this at the rate of about 50 tons a day, of ordinary coal, in one machine of a size not exceeding about 5 feet by 3 feet 6 inches in the screen. From the entire absence of injurious friction, and the slow motion of the shaft, very little power indeed is required to drive this ingenious arrangement, whilst the leather disc, the only part in which there is any wear, will last for many months, and can then be replaced for a few shillings. The advantages of an apparatus which is free from leakage, friction, wear and tear, and packing, are very conspicuous in this machine when at work, and can scarcely be over-rated.

The most important point remaining to be attended to is the rapid removal of the upper layer of pure clean coal as it accumulates, and this Mr. Edwards effects by a series of rakes running on rollers, and driven backwards and forwards by a crank upon the same shaft which carries the striking cams. The height of t

the only parts where perceptible wear and tear exist, and they can easily be replaced. A large door at the bottom of the cistern completes the machine, any number of which can be arranged in line as may be required, and driven from the same source of power, whilst each can be stopped or cleaned instantly, without interfering with the action of the remainder. This appears to be a much more convenient arrangement than any circular form of machine can afford, since it enables a tramway to be laid in front of the line of machines for removing the clean coal, whilst the slack is fed in from one platform above. Last, though not least, the machine is a very cheap one.

Mr. Edwards likewise claims many minor details, which have been added by him to make the machine perfect. It is considered to be in every respect the cheapest, most economical, and most effective yet introduced—an opinion which is well supported by testimonials from many who have used machines on his principle, among others Messrs. Levick and Simpson, of the Blaina Ironworks; Messrs, Darby, of the Brymbo Ironworks; Dr. D. S. Price, the well-known analytical chemist; as well as many others who have applied it, not only for coal, but for lead and other ores, and who speak in the highest terms of it. The inventor is now supplying it, in its newest form, to some of the largest collieries in Yorkshire and elsewhere.

THE PARIS EXHIBITION-No. VIII.

[FROM OUR OWN CORRESPONDENT.]

TRROM OUR OWN CORRESPONDENT.]

The portion of the building appropriated to Hesse, Baden, Wurtemberg, and Bavaria is just beyond the Prussian courts, as we enter from the side of the Ecole Militaire by the Rue de Belgique, being situated about midway, and occupying half the space, between the Rue de Prusse and the Rue d'Autriche. The geognostic position of Wurtemberg is particularly interesting, the iron mines and rock salt deposits which occur in the mountains being of especial importance; they are almost exclusively wrought by the Government. There are mines of hematite, brown ironstone, colitic iron, and iron in nodules, the hematite deposits being of considerable extent in the colitic formation. The richer deposits of rock salt in Wurtemberg are found in the Muschelkalk formation in many places along the banks of the upper and lower Neckar, and have been laid open in the environs of Hall, partly by borings and partly by mining works; so that it may be anticipated that there is a vast field for enterprise. The principal ironworks are at Wasseralfingen, Konigsbronn, and Friedrichstal. Beside the mines of the Government there also exists a moderate number of private foundries, as well as some works in which the it may be anticipated that there is a vast field for enterprise. The principal ironworks are at Wasseralfingen, Konigsbronn, and Friedrichsthal. Beside the mines of the Government there also exists a moderate number of private foundries, as well as some works in which the manufacture of sheets and bars is carried on upon an important scale. There are also five wire manufactories. The chief establishments are at Esslingen, Goeppingen, Ludwigsburg, and Biberach, whence a large export trade is carried on, both to European and other countries. There are scythe manufactories at Friedrichsthal and Neuenburg, the former belonging to the Government, whilst the latter, which is a private establishment, enjoys a European reputation. Copper manufactures are also largely exported, and at Reuthugen there is a wire-gauze manufactory, doing a considerable business. The Government exhibits, which comprise a fine block of pure rock salt from the Friedrichsthal Royal Mines; scyths, sickles, saws, &c., from the Royal Ironworks at Friedrichsthal, near Freudenstadt, in the Black Forest; and some beautifully finished iron and steel cylinders from the Royal Works at Kænigsbronn (Wurtemberg) are, of course, excellent, yet they do not surpass, even if they equal, the excellent manafactures of Messrs. HAUEISEN and Son, of Neuenberg and Stuttgardt. Messrs. HAUEISEN's establishment has been in existence more than 60 years, and has steadily increased in importance, until at present it is almost without competitors. The Styrian steel scythes exhibited by this firm are worthy of especial examination.

Mr. NICHOLAS MARTIN, of Tuebingen, has a good collection of flations, and Messrs. WIELAND and Co.'s ironmongery is really excellent. It is rather curious that Wurtemberg does not exhibit a single article in the department devoted to apparatus and processes of mining and metallurgy, although it can searcely be supposed that there is no one in the country who is interested in that branch of industry; indeed, a glance at Classes 51, 53, and 54 suf

ratively few years assumed these large proportions, but it is certain that for some time past they have supplied nearly all the machinery trade. The entire Wurtembergeoise collection is admirably arranged, and the attendants are particularly careful that no visitor shall fail to appreciate the merits of the exhibits for want of lucid explanation

of their uses and objects.

CLEVELAND IRON.—Leaving this portion of the English machinery, and continuing along the grand avenue toward the centre of the building, will be found immediately within the next gallery, and on the right hand, a small but interesting case of specimens, exhibited by STEVENSON, JACQUES, and Co., of the Acklam Ironworks, Middlesbro', embracing ironstone and other minerals and pig, and finished iron from the Cleveland district Yorkshire. Thirty seers and the If the water, after being thrown up in the way described, were drawn down with equal violence the result desired would be very imperfectly obtained, and only after a long succession of pulsations. Cleveland dironstone district, Yorkshire. Thirty years ago the in the order of their several weights by falling through the still water, but would be drawn violently down, together with the water. Mr. Edwards considers that it is for this reason that attempts to cause the rise and fall of the water, and the consequent separation, by the action of pistons in cylinders is imperfect, and very unsatisfactory in its results. In his machine Mr. Edwards has effected it by closing a part of the water-cistern which a flexible disc of leather, which, so to speak, floats upon the surface of the contained water, and is borne up by it,

THE

to France 45,092 tons; Holland and Belgium, 35,525 tons; Germany, 12,796 tons; Denmark, Norway, and Sweden, 6446 tons; Russia, Italy, and other countries, 7654 tons, and even these quantities were, through political and other disturbances, considerably below those for the preceding year. The manufacturers of the district are naturally proud of its history, and certainly the rapidity of its rise could be accounted for by no other fact than the excellence of its manufactures. The town of Middlesbro' we are told, which is the capital of the district, is built in the valley of the Tees, about nine miles from the sea, and is no less remarkable for its rapid growth and industry than is Cleveland for its natural beauty and mineral wealth. Within 40 years the streets of this modern town have been mapped out of the fields and marshes which surrounded the one house, "Middleburg," of more ancient history. On the extension from the port of Stockton of the Stockton and Darlington Railway, the first locomotive line opened, connecting the town with the coal fields of South Durham, it became a coal shipping place, and the occupation afforded by this business, together with the rolling-mills erected by Messrs. BOLCKOW and VAUGHAN in 1840, and an earthenware manufactory had, in 1850, attracted from various parts of the country a population of some 7000 inhabitants. At this time the main seam of ironstone in the neighbouring hills was practically discovered, and Messrs. BOLCKOW and VAUGHAN built the first blast-furnaces, and established the town as the centre of the North of England iron manufacture. Since then 125 blast-furnaces have been built for the purpose of smelting this stone, and 14 more are now in course of construction. There are also 27 rolling-mills and a number of extensive foundries in operation in the district, besides iron shipbuilding yards and engineering works of considerable magnitude, and the prophetic municipal motto, "Erimus" (we shall be), has been so far realised, that already the population of the berou otherwise pass off into the air. These are conducted down main tubes, and distributed under the boilers and hot-air stoves, and after many experiments are now so successfully applied that by their agency the steam is generated, and the blast heated without the use of any fuel whatever. The blowing power consists of two vertical direct-acting high-pressure engines, with 36-in. steam and 100-in. air-cylinders, and supply 8000 cubic feet of blast per minute at a pressure of 4½ per square inch, with a pair of COULTHARD and SON's patent engines for reserve power. There are 10 cylindrical steamboilers, each 70 ft. long by 4½ ft. diameter, and 18 heating stoves—six to each furnace—which the blast leaves for the tuyeres 1000 or 1100° Fahr. The raw materials are raised in 10-ton trucks by vertical steam-lift on the "guantrees," which comprise large hopper coke stores, and kilns for calcining the ore. The minerals are filled into charging barrows again below as required, and conveyed by incline hoist to the top of the furnace. The imput of raw material amounts to 5000 tons, and the make of pig-iron from the three furnaces to 1000 tons per week. At these works no admixture of ore is used, but only the mine from the bottom royalty. The upper compartment contains specimens of ores, fuel, and flux, in the proportions of which they are used in the furnace for making foundry pig-iron. The ironstone is from Messrs. Morrison and Co.'s Mines, at Brotton, near Saltburn-by-the-Sea, and is from the 11½-ft. seam. There is a 3-ft. seam 6 ft. below this, which affords a richer ore, but this is taken as more fairly repesenting the general character of Cleveland ironstone. The specimen of mountain limestone is from Weardale, in the county of Durham, and is the kind generally preferred to the magnesian limestone found nearer hand. The coke is from South Durham. In selecting coke it is not only desirable that the fuel should be as free from impurities as possible, but that it should be physically strong, in order to sustain the great weigh

for which the Cleveland iron is adapted.

THE BORINGALT COAL.—A case or two beyond that of the Acklam Ironworks are some very fine specimens of South Wales steam coal, one, about 3 feet cube, exhibited by the Bodringalt Coal Company, of which Mr. John Morgan is the managing partner, being especially worthy of inspection, and certainly equal to any shipped at Cardiff. Although at present less known in the market than the coals of Messrs. David Davis and Sons, whose Ferndale estate, in the Rhondda Valley, is contiguous, it appears that the quality of the two coals is as near as may be identical; and as the Bodringalt Company will shortly be in a position to ship 1000 tons of coal per day, it is probable this is not the last the readers of the Mining Journal will hear of it. The Abergorki and Bodringalt Pentre veins of coal have long been celebrated as locomotive coals, and are used almost exclusively by some of the principal railway companies in Europe. These coals are free from sulphur, and combine the highest amount of evaporative power, with the smallest consumption of fuel, and the of evaporative power, with the smallest consumption of fuel, and the least damage to locomotive engines. Being slightly bituminous the small will coke, and is available for smelters, smiths, and founders' purposes. The marine steam coals shown are the celebrated Merthyr purposes. The marine steam coals shown are the celebrated Merthyr and Aberdare smokeless steam coals, comprising the Upper Four-Feet, Six-Feet, and Nine-Feet veins, which give the greatest amount of evaporative power, and consume their smoke in the process of combustion, combining the definite proportions of the carbonaceous and bituminous elements required by the Governments of Great Britain, France, Spain, and Italy for the use of their respective steam navies. There are many other specimens of South Wales coal exhibited here, to which reference will be made hereafter.

REPORT FROM SCOTLAND.

JUNE 19.—If there is only a limited business doing in our Pig-Iron Market, prices are firm and rising, with a very fair trade for consumption. There is also a slight speculative tendency in the buyers, but the limited make and the reduction of stocks, and the demand having overtaken the supply, are the legitimate causes of the upward turn of prices. So long as English makers are ready sellers demand having upward turn of prices. So long as English makers are read, and upward turn of prices. So long as English makers at present rates for delivery in autumn, we can have little hope of at present rates for delivery and the English makers are for future delivery. The business prices advancing much further in this market till the English makers are more restricted in their terms for future delivery. The business done this week has been at better prices, however, both for cash and a month, but buyers are reluctantly yielding the increase, and are delaying their purchases in the hope of buying cheaper, which they delaying their purchases in the hope of buying cheaper, which they will not likely do. The exports are on the adverse side this week, being under those of the corresponding week of last year by fully 900 tons, the exact figures being—this year, 12,895 tons; last year, 13,825 tons. To-day prices yielded 1½d, per ton, being done at 53s. 9d. cash; 53s. 10d. a month, closing sellers at these prices; g.m.b., No. 1, 54s. 6d.; No. 3, 53s. 6d.; Gartsherrie, No. 1, 64s.; Coltness, 63s. The makers of Finished Iron are rather better off for orders, on account of the recent reduction in price, but are acquiring orders, on account of the recent reduction in price, but are acquiring these at the expense of the Welsh houses, who are losing the Scotch specifications, which the higher prices have sent them. There is a hope that we are past the worst, both here and in Wales, but it need not be concealed that it is a hope which has so often been deferred that it has made the heart sad. Works are not yet more than partially engaged from week to week, and all classes of workers in metals would hail a revival of demand with joy. Coals are unaltered tially engaged from week to week, and all classes of workers in metals would hail a revival of demand with joy. Coals are unaltered in price, with large shipments to the South American, Mediterranean, and Baltie ports. From all the Scotch ports the returns give an aggregate for the week just ended of 24,790 tons, against 18,235 tons

The colliers in the Larkhall and Mother same week in last year. same week in last year. The collers in the Larkhall and Mother-well districts have gone in this week, on a temporary arrangement, at 5s. a day—the price which they struck work to obtain—but they may be out again before the week is over, if they do not succeed in bringing certain coalmasters up to the 5s. a-day standard. Since the decision was given in the case Wilson v. Merry and Cunninghame, the colliers about Wishaw have held indignation meetings, and declared against the decision of the Lords of the First Division of the Court of Section, and they have been sided in this by two leaders on clared against the decision of the Lords of the First Division of the Court of Session, and they have been aided in this by two leaders on the subject in our local daily, the Herald. This brought out a rejoinder from the solicitor, Mr. Burns, and another from a viewer, which was followed by a reply from Mr. M'Donald, the miners' secretary. Of course, the law of the case is in favour of Messrs. Merry and Cunninghame, and local leaders and miners' harrangues are only a beating of the air. The case is to be appealed to the House of Lords, and when the decision is given there, then there will be rest, as agitation is to be kept up till the decision is reversed, if not by the peers, till the existing law has been repealed, and a new law, favouring all manner of delinquents, passed.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

JUNE 20.—Dulness is the characteristic of the Iron Trade, both in North and South Staffordshire, and no definite prospect of immediate improvement appears. The Preliminary Quarterly Meeting of the South Staffordshire Ironmasters' Association will be held on Thursday next, at Birmingham, and may be expected to be rather dull. In North Staffordshire the Earthenware Trade has for some time been much depressed, and this has an injurious influence on the Coal Trade time been much depressed, and this has an injurious influence on the Coal Trade, a very large consumption taking place at the kilns when activity prevails in the pottery trades. For a long time this trade has been good, but at the last annual hirings, at Michaelmas, there was a general advance of wages, followed by a rise in prices, and since then the trade has been gradually getting slacker. Another attempt to discover the thick coal beyond the limits of the ordinary South Staffordshire and East Worcestershire coal field has proved a failure after a very great expenditure. About 15 years ago

ordinary South Staffordshire and East Woreestershire coal field has proved a failure, after a very great expenditure. About 15 years ago Mr. G. H. Bond sunk a trial shaft about 80 yards deep at Wassel Grove, near Hagley Park, and about two miles from the Hagley and Stourbridge station of the West Midland Railway. Boringsfor some 15 yards deeper revealed the presence of a large quantity of water, which led to the abandonment of the enterprise for the time. One or two thin seams of coal had been passed through, but they were not identified with any of the known seams in the adjacent coal fields. About five years ago Mr. George Elliott bored in another part of the estate, to the depth of 189 yards 2 feet, and at a depth of 175½ yards passed through 37 feet of very thin layers of alternating coal and bat, which was regarded by many as a valueless representaincled. About five years ago Mr. George Elliott bored in another in part of the estate, to the depth of 189 yards 2 feet, and at a depth of 175½ yards passed through 37 feet of very thin layers of alternating in coal and bat, which was regarded by many as a valueless representative of the thick coal seam. This attempt was likewise abandoned, after an expenditure of a sum of money amounting to about 1500%. Mr. George Pell next took the estate, and began to deepen the shaft sunk by Mr. Bond, and his lease was transferred to Messrs. Crampton and Co., eminentrailway contractors, who have expended 12,000%. on a shaft, which has attained the depth of 262½ yards, with no result of commercial value, and it has been determined to abandon any further efforts. If, however, no pecuniary return could be secured for the outlay, the lessees, desirous of affording an opportunity to geologists and persons acquainted with mining of examining their explorations, invited the members of the South Staffordshire Association of Mine Agents to visit it on Monday last, and that body was represented by a number of its members, with the secretary, Mr. H. Johnson, of Dudley. At the depth of 165 yards, a succession of thin layers of coal, with carbonaceous shells and fire-clays alternating, had been pierced, and in these measures a headway, was driven for 500 yards across the estate, and in the direction of the productive coal field. At about 400 yards from the shaft, it crosses a fault an upthrow north of 15 feet, and holes upwards and downwards have been driven at different points from the headway, with no different result than that found in the shaft, which, below its level, passes through red and purple micaceous sandstones, which are regarded as the probable representatives of the Old Red Sandstone. Below these a pebble bed, 15 feet thick, has been passed through, nothing similar to which is known in the South Staffordshire coal field. At a depth of 247 yards, beds of greyish micaceous sandstone occur, alternating with impure limestone

REPORT FROM NORTHUMBERLAND AND DURHAM.

JUNE 28.—The general state of trade here continues as lately reported; most of the works are kept well going—that is, the collieries and iron mines, but the large ironworks and factories are not so busy as might be wished, dulness being still complained of at most of the rolling and plate-mills. A slight revival has taken place in the iron shipbuilding trade, but this business is still rather quiet. It is expected that some large vessels for the British Government are to be called abortly at Largey and as some good orders are already on expected that some large vessels for the British Government are to be ordered shortly at Jarrow, and as some good orders are already on hand, these orders, when received, will provide full employment for some time to come in that branch. The Jumns, built at Jarrow, has so far given great satisfaction. This noble vessel is now at Deal, where orders are expected for her to sail for Bombay very shortly.

Experiments have been in progress some time in one of the pits at the Hetton Colliery for testing the qualities of the various kinds of Safety-Lamps. Those experiments are very interesting, and are believed to be in some respects more complete and accurate than any that have preceded them. A small gasometer has been litted up in the coal same and gas is conveyed from a blower in the strata into

the coal seam, and gas is conveyed from a blower in the strata into this vessel, and the lamps are exposed to a current of this gas mixed with air, the speed of the current being regulated at will. The current is simply produced by the pressure from the downcast to the upcast shaft on the ventilating power. It will be seen from this that the lamps are subjected to the natural gas produced from the stratum, which is much more satisfactory than manufactured gas, which has been used in most of the experiments tried hitherto. I believe that all the ordinary lamps in use have failed in bearing this ordeal, the gauze in a certain velocity is reached, being passed through the gauze in a certain time; both these quantities—that is, the speed of the inflammable current and the time the lamp can remain in it without—varying, owing to the peculiar construction of each lamp. The Davy Lamp passes the flame in an inflammable current, the speed of which is 7 ft. per second, and the Stephenson Lamp explodes in a current which moves at the rate of 10 ft. per second; but we cannot at present give the time required to effect this. There is no doubt that a detailed account of these experiments will be given, and they must prove of great interest and importance. One valuable lesson the miner ought to learn from these experiments is this—However safe a lamp may be when exposed to an inflammable mixture at rest (which ought to occur as seldom as possible), this safety cannot be

relied upon when these conditions are changed, and either the or the air is moved with much velocity. The safety then exists. Every care ought, therefore, to be taken of safety-la

The great scheme for clearing the Wallsend, Willington, Howder Walls, and Burdon Main Pits of water, by immense pumping operations willington is making slow progress. "Eith," in the Neucosite Daily Grossays—"I at one time thought that the machinery would be ready by Millington is making slow progress. "Eith," in the Neucosite Daily Grossays—"I at one time thought that the machinery would be ready by Millington But at the present rate I fear that 1867 will be nearly if not fully expired the pumping is fairly commenced with. It is a most important, as well as a interesting experiment. For if these pits were opened, as there are considerable seams in all of them unwrought, they would greatly tend to cheapen coals bridge. If Hebburn Pit were re-opened it would make a great deal of direct to the residents of Jarrow, many of whom now buy their coals in sacksfrom which bring them from St. Hilda and Harton Collieries, at South Skielde."

REPORT FROM DERBYSHIRE AND YORKSHIRE

which bring them from St. Hida and Harton Collieries, at South Shelder.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

JUNE 20.—There is little alteration in the state of the Iron and done in most qualities of manufactured iron, whilst nearly the whele of the furnaces are now in blast. In coal there is rather more doing to the furnaces are now in blast. In coal there is rather more doing to the furnaces are now in blast. In coal there is rather more doing to continue to be on short time. The dispute in the southern part of the county, at Gresley and Swadlincote, continues, and there appears to be no likelihood of an immediate settlement, although many of the men are evidently tired of living upon a few shillings a weight to be no likelihood of an immediate settlement, although many of the men are evidently tired of living upon a few shillings a weight be been continued to be not should be such as the county, at Gresley and Swadlincote, and the present quiet states which sum is increased from the funds of the local Union. To masters appear determined not to give way, or employ any person on neeted with the Miners' Association, and in the present quiet states the trade they are in a position to do without the men who are on Meetings continue to be held at Gresley and Swadlincote, and M. Brown, and other agitators, urge the men to be steadfast, and not give in; but there is evidently a strong desire amongst many of the near to come to terms, seeing that the amount they receive is inadequated to keep them and their families.

In Sheffield business generally is quiet, and everything appears to keep them and their families.

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In Sheffield business generally is quiet, and everything appears to keep them and their families and the sheff and the sheff

in heavy plates. The steel works continue to be actively employed in the manufacture of rails, axles, tuyeres, &c., and at Penistone, in particular, there appears to be more than enough to keep all hands going for a considerable time, the orders in hand being for Russia and America. The demand for coal, both house and steam, continues quiet. To London there is about an average quantity being forwarded, but the export trade, for the season, is dull. The shipments from Grimsby to the North of Europe are comparatively small, and the same may be said with regard to France, although some steam coal, for the supply of the Admiralty steamers, is being forwarded from the collieries that are on the French list. From Goole a moderate tonage is finding its way to the Eastern ports, whilst there is

the same may be said with regard to France, although some steam coal, for the supply of the Admiralty steamers, is being forwarded from the collieries that are on the French list. From Gooles moderate tonnage is finding its way to the Eastern ports, whilst there is rather more doing in slack and small coal to the cotton districts of Lancashire by the Manchester, Sheffield, and Lincolnshire Railway. Coke continues to be taken off as fast as made, the demand being considerably in advance of the means of supply.

As stated by telegram in last week's Mining Journal, the engineer determined to open out the shafts of the Oaks Colliery, with a view to the recovery of the bodies. On Wednesday operations commenced by the drawing off the water which was at the top of the puddle, and rubbish in the No. I shaft, which was about 15 yards deep. This was done in less than three hours, when Messrs. Jeffcook, Beaumont, and Embleton, jun., went down and examined the shaft, which, so far, was found all right. On Thursday the real work of clearing commenced, by the getting out of the rubbish, which is about 150 yards deep. As only three men can work at one time in the shaft, which is about 7½ ft. in diameter, it will take some time to clear. Should the shaft turn out good to the bottom, and the fan at present at work be sufficient to keep the gas from interfering with the workmen, the shaft will be cleared in rather less than a month. Then will commence the most painful part of the work, the clearing the bottom and bringing out the bodies. For this task there are plenty of volunteers, amongst them being men who have fathers, brothers, and children in the pit, all of whom are highly satisfied at the opening out of the shaft, and will, without the slightest hesitation, descend into the workings and assist in the rescuing of the bodies from the pit, for the purpose of seeing them placed in their final resting place. Already numbers of the widows are finding their way to the colliery, and, as the time of opening advances, it is expect

The meeting of Charles Cammell and Co. (Limited) is to be held at Sheffield to-morrow, for the purpose of receiving the directors' report, sanctioning a dividend of 51.2s. per share, and for general bull.

THE VISING JOURNAL

rks the share capital of the company has been called up to 80. per share, and the bard are impressed with the importance of limiting the calls upon the the bard are impressed in the sum, it has now become necessary to consider how best ginal capital to that sum, it has now become necessary to consider how best ginal capital to the sum of the balance now past provide the further capital required to the works suspended at Grimesthorpe, to the vendor, for the completion of the works suspended at Grimesthorpe, to the vendor, for the completion of the works suspended at Grimesthorpe, to the stational required to meet the extended business of the deadlift of the works come into full operation. The officers and upany when these new works come into full operation. The officers and upany when these new works come into full operation. The officers and upany when these new works come into full operation. The officers and upany when these new yorks come into full operation. The officers and upany when these new yorks come into full operation.

and the additional works come into full operation. The officers and an appared the company have discharged their duties with great zeal and attended the company have discharged their duties with great zeal and attended the company have discharged their duties with great zeal and attended the company have discharged their attended the company and the south-Western Railway with the amation of the Glasgow and the South-Western Railway with the fall nor rank with the principal companies in the kingdom. Its implies will be still further increased by its entrance into London in an indertance will be still further increased by its entrance into London in an indertance will be still further increased by its entrance into London in an indertance will be still further increased by its entrance in the London in an indertance will be still further increased by its entrance in the London in an indertance will be still further increased by its entrance in the London in an indertance will be still further increased by its entrance in the London of a coal field which supplies fully three-fifths of all the coal carried into London in the London and North-Western, which is imal, in fact, when compared with the London and North-Western, 20,172 tons in April, and 15,344 tons in May. On the other hand, forth-Western, 20,172 tons in April, and 15,344 tons in May. On the other hand, soft-Western, 20,172 tons in April, and 15,344 tons in May. On the other hand, soft-Western, 20,172 tons in April, and 15,344 tons in May. On the other hand, soft-Western, 20,172 tons in April, and 15,344 tons in May. On the other hand, soft-Western, 20,172 tons in April, and 15,344 tons in May. On the other hand, soft-Western, 20,172 tons in April, and 15,344 tons in May. On the other hand, soft-Western, 20,172 tons, which is consistent to the district and the source of the late of the further form the other lines, for from the Clay Cross alone, which so direct on the Midland carried to the strate from the other lines, for from the Clay Cross alone, whic

REPORT FROM MONMOUTH AND SOUTH WALES.

JUNE 20.—The Whitsun holidays are now over, and matters are ginning to assume their usual aspect at the ironworks. As comared with a fortnight ago, it cannot be said that the tendency to an approvement in the demand has made any further progress, a cirmstance which, perhaps, may be accounted for by the lull which enerally precedes and follows holidays. For rails there is a fair reign enquiry from two or three markets, and the advices received gint to a further increase in requirements. Russia is, perhaps, just of the largest customer, and the extension of railways in that county cannot fail to bring about a larger consumption of iron. The hited States follows, although, as might be naturally expected from he heavy shipments since the commencement of the year, the purbases for that market have slackened a little. Indian houses are blerably good buyers, and, as remarked last week, business with that market hare slackened a little and the search of the pear, the purbase for that market have slackened a little. Indian houses are blerably good buyers, and, as remarked last week, business with that market harkets. As regards home transactions, there is really thing new to report, and the demand continues to rule dull. Cold-JUNE 20 .- The Whitsun holidays are now over, and matters are

blerably good buyers, and, as remarked last week, business with that arter will, probable, increase. Several cargoes have been cleared or the Dutch markets. As regards home transactions, there is really othing new to report, and the demand continues to rule dull. Coldists pig of repute is selling freely. Tin-Plates have experienced no approvement, and no change is expected to take place before the lose of the quarter. Steam Coal proprietors are doing but a morate business, although the foreign consumption has increased to small extent, as compared with five or six weeks ago. For house nalities there is no alteration to note in the demand. The following circular, signed on behalf of the directors by Mr. andel Cossbam and Mr. J. W. Sully for the committee, has just been issued to shareholders in Shackleford, Ford, and Company:—

"We annex a copy of the resolution of the joint committee of directors and archolders, appointed at the meeting of the St hinst; and, in accordance the fifth resolution, we send you two printed forms, one of which you are sticularly requested to sign and return to the secretary of the company, in sendosed envelope, before Friday, the 21st inst., the object being to enable ecommittee on that day to ascertain definitely how many of the shareholders had elect to remain in connection with the company, and how many would she treited upon the terms stated. It is most desirable that you should elect continue your shares in the company, as, should a large number wish to tire the proposed arrangements could not be carried out, and in that case company would be wound-up under the powers of the Court of Chancery, whole of the remaining 51. per share called up, the valuable buildings, schinery, and stock in trade sold at a fearful sacrifice by a compulsory sale, a large portion, if not the whole, of the calls absorbed by these losses at the costs and expenses of liquidation. If, on the other hand, a sufficient maker shareholders should elect to remain, there is a prospect of their being support for t

site with the loss of 51. per share already paid-up, on being relieved from ther liability thereon."

Last week reference was made to important changes about to take ice in the proprietorship of the Tredegar Ironworks. It will be membered that about 12 months ago Mr. Homfray obtained an inaction in the Court of Chancery against his co-partners, Messrs, rman and Fothergill, to prevent them selling their shares without viously offering the same to him. Such a proceeding led many believe that Mr. Homfray intended purchasing their shares, but is he has not done. Negociations have of late been going on, and arrangement has been come to, by which the Messrs, Homfray to to retire from the works, Mr. Forman having purchased their area at, it is said, 16,000!, per share for their eight shares. The age will place the works in precisely the same hands as the Sirwy Railway; but whether Messrs. Forman and Fothergill intendarying on the works themselves, or whether they intend to dispose the preparty. ing on the works themselves, or whether they intend to dispose

trying on the works themselves, or wholise the property, has not yet transpired.

On Monday an explosion occurred at the Mountain Pit of the goodwen Colliery, Aberdare, by which one man lost his life and four others are rather hadly have.

The cause of the explosion is most singular. In the ewen Coiliery. Aberdare, by which one man lost his life and four others there hadly burnt. The cause of the explosion is most singular. In the noid working, well known to be full of gas, and on the morning of the the men were warned against going into that part of the works. It that rats are in the pit, and in the pursuit of one a workman ran better in the pit, and in the pursuit of one a workman ran be result, also explosion in the Beaufort Coiliery, near Penclawdd, two men and a rollide, and not a large number, as many at first were led to believe. Arrivals at Swansea include—the Elizabeth Hargrave, from with 600 tons of copper ore and silver ore, for H. Bath and Son; the from Bilboa, with 200 tons of iron ore, for W. H. Tucker; the Adonis, so of copper ore, for the Cobre Go.; the J. W. Dodd, from Bilboa, with 200 tons of rolling the color of the Downlas Iron Company; the Gleaner, from Bilboa, with 168 tons of copper ore to bowlats Iron Company; the Gleaner, from Bilboa, with 168 tons of copper ore, for the Tucker; the Minnie, from Bilboa, with 168 tons of copper ore, for the Tucker; the Minnie, from Bilboa, with 168 tons of copper ore, for the Tucker; the Victoria, from Rouen, with 100 tons of plaster is, for Mr. P. Rogers.

OREST OF DEAN.—The Whitsuntide holidays have come and gone, ated last week, never, within the recollection of the oldest Forester, atted last week, never, within the recollection of the oldest Forester, been a more general disposition to carry out the old saying, "All work asy makes Jack a dull boy." The order of things having now changed, has returned to his mines, the collier to his cell, and the forgeman to The artisan, too, has gone to his bricks and timber, and the labourer using his labour. It is to be hoped that all are better for the short pleasant relaxation.

pursuing his labour. It is to be hoped that all are better to yield yiel

by Forest of Dean masters. The improved tone in South Wales has latterly in fluenced the Forest trade in a substantial manner, and here, as in other districts, an advance in the price of iron would adjust this branch of trade. The employment of all kinds of furnace and ironmen is not only very regular, but new hands are being put on. On Wednesday there was very little iron at either of the Forest works. The stoci and other manufactured ironworks in the district are doing a fair average trade, the hands being kept fully employed.

In the coal trade there is still a steady business being done—orders both near and distant continuing good. There has been no sign of flatness at any of the collieries. Within the last few months a number of colliers, who a few years ago left the district, have returned, the greater portion from Staffordshire. This course was forced upon them in consequence of the irregularity of work and general depression of the Staffordshire coal trade. The wages in this district are somewhat low, but remembering that no time is lost except voluntarily, this class of men are better off than they are in many districts. The new County Court Act, now before Parliament, will considerably affect this district in reference to not being able to sue for beer. There are but few County Courts held in which there are not a good sprinkling of plaints against colliers, miners, and forgemen for beer scorees. This step of the Legislature will undoubtedly have a very beneficial effect.

The tin-plate trade is somewhat quiet, and orders are scarcely as good as they have been. The men are on full time. Better qualities realise 28s. per box, delivered for shipment. There are no stocks on hand.

The ill-fated Forest of Dean Central Railway is again in difficulties. In the Journal of June 8 we noticed that the trial trip had been made, in the presence of the head officials of the Great Western Railway Company, which company had arranged with the original company to work the line. June 18 was fixed upon to formally open

GOLD MINING IN BRAZIL.

GOLD MINING IN BRAZIL.

The continued success of the St. John del Rey Mining Company, and the recent valuable discoveries at the mines of the Don Pedro North del Rey Company, have naturally caused Brazilian gold mining to be looked upon with much favour; and a prospectus has now been prepared by the Rossa Grande Gold Mining Company, which with reports will be found in another column of this day's Journal, for the issue of the remaining 30,000 shares, to complete the authorised issue of 100,000. Although the company was established about three years and a half ago, legal possession of the property has only just been obtained, but the interval has been utilised by the erection of a 12-head stamp-mill, and in carrying out certain preparatory works. A resident superintendent is to be at once appointed, and instructions have been sent out to the mining captain to devote his whole time to the laying out and development of the company's mines. Attention will also be turned to the unexplored jacotinga formation; and, considering its close proximity to the celebrated Gongo Soco lode, satisfactory results are confidently looked forward to. The road from Gongo Soco to the St. John del Rey Company's mines, and to the city of Sabara, passes through the estate; and in reporting upon the property Capt. Thos. Treloar states that the Rossa Grande is one of the famous mines of the district of Minaes Geraes, and its reputation arises from its fourfold advantages, of rich auriferous lodes, good water-power, extensive forests, pastures, and arable land, with convenient position for labour, materials, and provisions.

With regard to the character of the rock, Capt. Treloar considers it highly congenial to auriferous formations; the lodes, moreover, are not far distant from the junction of the slate and granite; and as the gold mines in Brazil, as well as copper and tin mines in England, are valueless when very far from the mysterious effect of the junction of these two great rocks, the significance of the statement will be readily u

have joined the Rossa Grande board, no doubt need be entertained but that the property will be energetically and successfully developed. Arrangements have been made for transferring the agency of this company to Messrs. John Moore and Co., of Rio, and Messrs. J. Bramley Moore and Co., of Liverpool.

FOREIGN MINING AND METALLURGY.

FOREIGN MINING AND METALLURGY.

It was intimated recently that the Paris, Lyons, and Mediterranean Railway Company had given out an important order for Bessemer steel rails. The order referred to 20,000 tons of these rails, let to the Terrenoire Mines and Ironworks Company, at 121, 12s. per ton, taken at the works. A month previously, the Western of France Railway Company ordered 2000 tons from the Imphy St. Seurin Company, at 141, 8s. per ton, delivered at Batignolles; and at the same date the Northern of France Railway Company ordered 3000 tons from the same concern, at 141, 8s. per ton, delivered at La Chapelle. It will thus be seen that most of the French railway companies display a marked tendency to replace iron rails with rails of Bessemer steel. In the case of the Paris, Lyons, and Mediterranean Company, this replacement has been decided on in principle, and will be carried out before two years have elapsed on a great part of the line. The state of the French forgemasters, established at Paris, and at a meeting which took place a few days since the committee deliberated on the question of the committee of French forgemasters, established at Paris, and at a meeting which took place a few days since the committee deliberated on the question of limiting the production by common consent. The forgemasters of the Comté district, at a meeting just held at Besançon, have come to the conclusion that the state of the market for pigo fhat district rendered inevitable a reduction of the quotation of 61. 13s. 6d., determined on at a previous meeting; but, at the same time that they recognised the impossibility of maintaining the old quotation, they admitted the difficulty of fixing a new one, and finally they separated without coming to any decision on the suiject before them, feeling that it was desirable to leave to buyers and sellers the task of appreciating the conditions on which new contracts must be concluded. The last quotation for coke-made iron on the Paris market is 71. 4s. to 71. 8s. per ton. Tho Orleans

Belgian basins; the workers are endeavouring not to increase the stock, which is considerable, and which does not diminish. As regards the state of the Belgian coal trade, it remains nearly as bestock, which is considerable, and which does not diminish. As regards the state of the Belgian coal trade, it remains nearly as before, and there is little change to indicate. In the Liege basin the symptoms of revival noticed last week have been maintained, and have even become a little more decided. In the Charlerol basin the market has become less unfavourable. The sugar trade seems in a less undecided state than hitherto, if we may judge, at least, from some establishments, which have extended their purchases beyond the limits of absolute necessity, which they had for some time observed. The deliveries have been numerons during the last few days, but they have exerted no influence on prices, which are still subject to variations; all-coming stands at about 12s, per ton. In the basin of the Couchant de Mons, the activity which It was hoped would return to affairs is very slow in producing itself; buyers display hesitation, and transactions are sluggish and difficult. The deliveries made by railway are unimportant; those made by boats have somewhat increased, but they do not display all the activity which they might be expected to present. Stocks do not diminish, but remain stationary. The extraction and deliveries are almost equally unimportant. Prices of coal are feeble, and very variable for inferior qualities, and many small companies, whose products seli at a low rate, complain of the state of affairs. The report of the administrative commission of a Bank of Foresight established at Mons, for the benefit of working miners, has just appeared for 186c. The number of companies affiliated to the bank experienced no change last year, having remained at 32. The receipts of the bank during 1866 were 23,831., or 1373. more than the amount collected during 1865. Deciarations made by the coal workers in connection with the bank show that they paid last year 94,232. In wages to 26,950 workmen, for an aggregate of 8,559,158 days' work. The average wages of each miner, which should in 1866 exceeded that of 1865 by th

ber than during the preceding year (28). In 1845 there were 47 workmen killed and 17 grievously wounded; and in 1866, 24 workmen perished and 17 received incurshe would, and in 1866, 24 workmen perished and 17 received incurshe would, and in 1866, 24 workmen perished and 17 received incurshe would, and 1866, 24 workmen perished and 17 received incurshe would be a seen as a set of the perished and 17 received incurshe would be a seen as a set of the perished and 17 received incurshed working miners, was divided between 37 establishments of primary instruction, as well commercial as religious; and 7167 children attended grantitiously the subsidised schools. This number was 1279 smaller than that for 1865, and after this year every subsidy hitherto granted for educational purposes will be suppressed. There is no improvement still to notice in the Belgian siderurgical markets. The production has been as restricted in Belgium as in France, and prices have been reduced. Affairs continue to make default, and when some transaction of some little importance takes place it is only secured at a sacrifice. It is difficult to know what to say of a market in presence of such a precarious state of things. The Recue Industrielle, of Charlerol, publishes a long article on an application made for a concession of a rallway line from the Madeleine to Athus. It is considered by some likely that this project will be mised a concession of a much more considerable line, which the Grand Ducal Government proposes to itself—the delivery of minerals to the Belgian forges in exchange for Belgian coal. The La Haye Collieries Company will pay, July 1, a dividend coupt of 11, per share. The Marcinelle and Coullet Ironworks and Collieries Company will pay Aug. 1, a dividend coupon of 11, per share for the exercise 1866.7 The Royal Asturian Mines Company, June 23, at Hanoverian Mines Company, June 24, at Hanoverian Mines Company, Ju

SULPHUR ORE MINES (IRON PYRITES) NEAR MEGGEN.

The Paris market shows little animation; quotations are 22l. 8s. for rough Silesian, and 22l. for zinc from other sources.

SULPHUR ORE MINES (IRON PYRITES) NEAR MEGGEN.

[FROM WESTPHALIA.]

Whosoever has had the opportunity of subjecting to a close inspection and careful examination the English prospectus of the SIEGENA SULPHUR MINING COMPANY, formed for the purposes of the purchase and working of aniphur ore mines (from pyrites) near Meggen, in the mount district of Arnaberg (Westphalia, Perusia), belonging to that the tendamental statement of the purpose of the purpo

SALE OF MINE SHARES BY PUBLIC AUCTION .- Mr. C. Thomas sold SALE OF MINE SHARES BY PUBLIC AUCTION.—Mr. C. Thomas sold by public auction, on Thursday, the following mine shares:—I Carn Brea, at 131., 1 ditto, 121. los.; 25 East Rosewarne, 4s. dd., 75 ditto, 6s. 6d., 25 ditto, 6s.; 25 East Providence, 6s.; 55 East Rossell, 21. 5s., 10 ditto, 21. 4s., 25 ditto, 21. 6s.; 20 Chiverton Moor, 54. 4s., 10 ditto, 31. 6s.; 20 Chiverton Moor, 54. 4s., 10 ditto, 31. 6s.; 20 Chiverton Moor, 54. 6s.; 10 ditto, 31. 6s.; 20 East Laxey, 1s.; 35 Redmoor, 1s. 9d., 20 ditto, 3s.; 25 Prince of Wales, 34. 4s., 195 ditto, 34. 5s.; 25 Anglo-Brazillan, 23s., 75 ditto, 11. 2s. 6d.; 20 Wheal Agar, 39s.; 3 North Rosekear, 44. 10s., 7 ditto, 44. 15s.; 5 West Great Work, 24. 6s.; 10 Chiverton, 64. 12s. 6d.; 2 Clifford Amalgamated, 71. 12s. 6d., 3 ditto, 74. 15s.; 3 East Basset, 16f.; 10 Prosper United, 27. 15s.; 5 East Carn Brea, 21. 10s.; 20 Rosewarne United, 10s.; 5 Great Wheal Vor, 18t. 15s.; 5 East Carn Brea, 21. 10s.; 20 Rosewarne United, 10s.; 50 Chontales, 44. 12s. 6d.; 20 Cardigan Consols, 3s. 3d.; 1 West Chiverton, 67t. 2s. 6d., 1 ditto, 67t. 5s. The 200 West Wheal Kitty shares were not sold, the committee I ditto, 67t. fs. The 290 West Wheal Kitty shares were not sold, the coi having placed a reserve upon them considerably in advance of the mark The sale was well attended, and several of the lots were most spiritedly

We cannot too strongly again urge on mine adventurers and managers the importance of furnishing more details as to the receipts and expenditure of the concerns under their control than has hitherto been the case, and especially that true balance-sheets should be issued at every meeting of adventurers, containing their exact position as to their assets and liabilities. As Sir W. Hutt recently stated in the House of Commons, there has been too strong a disposition on the part of managers of companies to "make things pleasant," in order to keep up the prices of shares in the market. To such an extent has this been done that in many instances there has been a total disregard of all moral and legal obligations. Balance sheets have in numerous instances been so drawn up as oftentimes to grossly mislead the shareholders and the public, instead of affording them accurate information as to the state of their affairs. The result has been that many parties have been utterly ruined, and a great many others have thrown up their shares in disgust, causing really bona fide and legitimate concerns to be abandoned just at a time when there was a strong probability of their paying cost.—West Britton. -West Briton

cost.—West Briton.

HOLLOWAY'S OINTMENT AND PILLS—DANGEROUS DISEASES.—
How many life-long maladies spring from neglecting trifling symptoms? The
pimple, readily curable in the nursery, becomes, through carelessness, the Irremediable torment of after life. With a knowledge of the curative powers of
Holloway's ointment and pills, those who fail to use them for extirpating the
first seeds of hereditary allments will have to bear the punishment resulting from
their foily. Holloway's remedies will remove eruptions from the skin, scorbutic
diseases, and scrofula, and heal every description of uleer, sore, wound, or abrasion. By the use of Holloway's excellent, speedy, and safe medicaments much
palm and immense expense will be saved, and a great benefit be conferred on the
present and succeeding generations.

TAQUARIL GOLD MINING COMPANY (LIMITED),

IN THE PROVINCE OF MINAS GERAES, BRAZIL.

Capital, £100,000, in shares of £1 each.

2s. 6d. per share on application, 2s. 6d. per share on allotment. No call to be made at a less interval than three months, or to exceed 2s. 6d. per share.

CHAIRMAN. H. BIRT, Esq., formerly of the St. John del Rey Mining Company.

BANKERS.
The Consolidated Bank (Limited), 52, Threadneedle-street, London, E.C.

BROKERS.

Messrs. Walker and Lumsden, 25, Austinfriars, London, E.C.
Messrs. G. and T. Irvine, India Buildings, Liverpool. SECRETARY-Edward J. Cole, Esq.

Messrs. G. and T. Irvine, India Buildings, Liverpool.

SECRETARY—Edward J. Cole, Esq.

OFFICES,—2, NEW BROAD STREET, LONDON, E.C.

This company has been formed for the purpose of purchasing the Taquaril estate, including the mines thereon, upon the following terms, viz.—£14,000 in cole, and £12,000 in shares.

The estate of Taquaril is freehold, and adjoins the Morro Velho estate, now worked by the St. John del Rey Company, and is about four miles from that mine. Upon a capital of £15,000 that company has paid in dividends no less than £800,250, and the market value of the mine is now upwards of £600,000. The total value of the gold raised exceeds £3,000,000. The netr profit for the past half-year was more than £30,000.

The Taquaril So,000. Jacotings formation, similar to that of the cells of the mine is now about £250,000. The following the produced £1,482; 170 worth of gold, and yelded very large profits. The Don Pedro North del Rey Mines.

The Gongo Soco Mine produced £1,482; 170 worth of gold, and yelded very large profits. The Don Pedro North del Rey Mine made a profit of £6133 in the month of March last, and the market value of the mine is now about £250,000, with £33,313 paid-up capital.

Reports upon the Taquaril Mine have been furnished by the following mining agents and others, and accompany the prospectus, viz. —

Mr. Jost. Hitchica says—"Gold was frequently seen in the stones, and large pieces of follated gold, some presenting a surface of several inches, have been profit to the surface out." "Taquaril is known to possess two rich lodes, running parallel and within 6ft. of each other; on one, the old lode, a single shaft only has been sunk, on a shoot of gold, and it is notorious that it has produced a good deal of riches. East and west of the shaft is all vigin ground." "A stream of water rises in the valley, about 550 fms. cast of the mine, which should be available to work pumping machinery."

Gapt. Mr. William Williams, and stream large of the Braylliam Gold Mining Company, in his report, estim

The following is a copy of the Memorandum of Association:

1. The name of the company is the Taquaril Gold Mining Company (Limited).

2. The registered office of the company will be situate in England.

3. The objects for which the company is established are—For purchasing certain lands, or interests in lands, in Brazil for the purpose of mining operations. For mining for gold and other minerals, and carrying on processes for preparing and rendering ore fit for the market.

4. The liability of the members is limited.

5. The capital of the company is £100,000, divided into 100,000 shares of £1 each.

Applications for shares can be made, and prospectuses, reports all information obtained, at the company's offices (where plane) may be seen); of the brokers, &c.

ABRIDGED PROSPECTUS

THE GREAT CWMSYMLOG SILVER-LEAD MINING COMPANY (LIMITED). Incorporated under the Companies Act, 1862, limiting the liability of each shareholder to the respective amount subscribed.

Capital, £20,000, divided into 10,000 shares of £2 each.

Issue of unallotted shares fully paid-up.

No further liability existing.

JOHN BRODRICK HARTWELL, Esq. Gloncester-crescent, Hyde Park, W. JOHN EDWARD PANTER, Esq. (Bartister), Lee Park, Kent. THOMAS SPARGO, Esq., M.E., Gresham-house, London.

London and South Western Bank, 27, Regent-street, W.
CONSULTING ENGINEER.

Josiah Hugo Kitchins, consulting engineer to Devon Great Consols.

OFFICES,-224 and 225, GRESHAM HOUSE, OLD BROAD STREET, E.C.

OFFICES,—224 and 225, GRESHAM HOUSE, OLD BROAD STREET, E.C.

PROSPECTUS.

The Great Cwmsymlog Silver-Lead Mines stand in the lower Plynlimmon range of mountains, six miles eastward of Aberystwith, in Cardiganshire. The underground works extend nearly a mile on the line of the lodes. The mines have been furnished with a great deal of machinery, and returns of ore have already been made w.th regularity, and sometimes with profit on the working. The object the company has in view in issuing this prospectus is to comply with the suggestions of the renowned mining engineers—the Messrs. Hitchius—who have reported on the works.

By the sides of the workings, on the middle lode on the south, stands the Great Cwmsymlog lode, in virgin ground, through the sett. It is believed by every-body acquainted with mining in the silver district of Cardiganshire, that which is lode is opened up in the Great Cwmsymlog Mine, by means of cross cuts, that it will make an immensely valuable property. East Darren, upon this lode, is now making about £7000 a-year profit.

Every mining agent who has inspected the mine considers it to be one of the surest, largest, and best silver-lead mines in Cardiganshire. The lodes are formed in the great clay-slate formation, resting on the granite and trap-rocks, and the deeper they have been wrought in these measures the more productive and profitable have they proved. Extracts from the opinions of the Messrs. Hitchins and others are appended to the prospectus, with full reports from the agents. The mine is held at 1-l4th royalty, under a lease for 21 years, of which only three are expired.

A section of ore ground has been sunk on the north lode, at the eastern part of

id others are appeared to the project of the size of 21 years, of which only free are expired.

A section of ore ground has been sunk on the north lode, at the eastern part of the mine, from the 15 to the 25, which it is calculated will yield \$2000 to \$7000 orth of good silver-lead ore, and leave one-fourth to one-third profit. In depth is ore ground is of sufficient body to establish a rich mine of itself, and, taken it the theory great runs of ore, no doubt can be entertained that the Great Cumming will be one of the most productive of the silver-lead works of North Car-

symlog will be one of the most productive of the surer-lead works of Noral Cardiganshire.

It is confidently expected by the most competent authorities that the realised profit upon an outlay of £3999 of the capital the promoters have provided for, will enable the company to pay a liberal dividend to its shareholders, whilst the opening the lodes at various points, by cross-cut adits, will guarantee the certainty of realising immense riches.

Lipwards of 7509 shares have already been taken, and the remainder will be assued in accordance with date of application.

Detailed prospectuses, together with reports and forms of application for shares, may be obtained at the bankers or the offices of the company. Copy of the Articles, as registered, may be seen at the offices of the company.

S A N D Y S, V I V I A N, A N D C O.,
COPPER HOUSE FOUNDRY, HAYLE, CORNWALL,
ENGINEERS, IRON AND BRASS FOUNDERS.
MACHINERY, MATERIALS, and TOOLS of every description.
Foreign mines supplied on the beat terms, and at the shortest notice,
hand Mining Machinery and Pitwork in Stock; also a new 4 and a power high-pressure vertical engines, with boilers, and a second-hand which makes and a proposer high-pressure vertical engines, with boilers, and a second-hand which makes and a second-hand which we are a second-hand which we have a second-hand which we

whim engine, condensing.

NOTICE.—CAPT. S. M. RIDGE, of LLANIDLOES, OTICE.—CAPT. S. M. RIDGE, OF LLANIDLOES, MONTGOMERYSHIRE (alter manager of the Brypnastig and Cwm Fron Mines, and others, in Shropshire and Wales), is NOWOPEN to INSPECT and faithfully REPORT UPON ANY LEAD MINE in either of these localities that may be confided to his care, having had better than 30 years' experience in lead mining, as miner and agent.—Address, Capt. S. M. RIDGE, Llanidloes, Montgomershire.

In the Court of the Vice-Warden of the Stannaries Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WEST ROSEWARNE MINING COMPANY—ALL OREDITORS or CLAIMANTS of the ABOVE-NAMED COMPANY who have not received notice from the Registrar of the said Court that their claims have been already admitted, are hereby EEQUIRED to COME IN and PROVE THEIR SEVERAL DEBTS or CLAIMS at the Registrar's Office, Truro, on Tuesday, the 2d day of July next, at Eleven o'clock in the forenoun, or in default thereof they will be excluded from the benefit of any distribution made before such proof, and for the purpose of such proof they are either to attend in person or by their solicitors or competent agents, or (unless such attendance be required by the Registrar's summons) they are to send affidavits of their several debts or claims to the Registrar of the Court, at Truro, such affidavits being sworn either before some Commissioner of the said Court, or before any Court, Judge, Justice, or any Commissioner of one of the Superior Courts lawfully authorised to take and receive affidavits and affirmations.

WM. MICHELL, Registrar of the above-named Court, Truro, Cornwall Dated Truro, June 18th, 1867.

In the Court of the Vice-Warden of the Stannaries Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the NORTH FRANCES MINING COMPANY.—By the direction of His Honour the Vice-Warden, notice is hereby given, that on Saturday, the 6th day of July next, at the Registrar's Office, at Truro, in the county of Cornwall, at Eleven o'clock in the forenoon, this Court will PROCEED to MAKE a CALL of FIVE SHILLINGS AND SIXPENCE PER SHARE on all the contributories of the said company settled on the list of contributories under class A. All persons interested therein are entitled to attend at the time and place aforesaid to offer objections to such call.

WM. MICHELL, Registrar of the said Court. Dated Truro, this 20th day of June, 1867.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the CARADON UNITED MINING COMPANY.—By an Order, made by His Honour the Vice-Warden of the Stannaries in the above matter, dated the 17th day of June instant, on the petition of James Thomas, of Charlestown, within the said Stannaries, a creditor, and also a shareholder of the said company, it was ORDERED that the said CARADON UNITED MINING COMPANY should be WOUND-UP by this Court, under the provisions of the Companies Act, 1862. HODGE, HOCKIN, AND MARRACK, Solicitors, Trurof Dated Truro, June 18, 1867.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

Stannaries of Cornwall.

In the MATTER of the COMPANIES ACT, 1862, and of the GARLIDNA UNITED MINING COMPANY.—TO BE SOLD, under the direction of the Registrar of the said Court, BY PUBLIC AUCTION, on Tuesday, the 9th day of July next, at Eleven o'clock in the forencon, at GARLIDNA UNITED MINES, in the parish of Wendron, within the said Stannaries, in lots, the MINE SETTS or GRANTS of the said company, and the undermentloned MINING MACHINERY AND MATERIALS, viz.:—

ONE 65 in. cylinder PUMPING ENGINE, 7 ft. stroke, with feed and steampipes, and first plece of main rod, 1 cast-iron balance bob, 124 inch cylinder stamping and drawing ENGINE, with fly-wheel and cage complete, brass bell, shears, with stays, pulles and brasses complete, caprata complete, 10 ft. 19 in plunger pole, with stuffing box and glands, launders of different sizes, oak axis for water-wheel, with iron sockets, pullies, 4 whim kibbles, buckets and prongs, iron and timber tram wagons, 1 shaft horse, wheelbarrows, 2 hand ditto, 4 kieves for dressing tin, beam and scales, stands and weights 3½ cwts., stamps the and floor buddles, 1 single power crab winch, miners' cheets, wood stairs, ladders, smiths' and miners' tools, a quantity of new and old iron and timber, together with the account house and office furniture, and a variety of other articles and effects in general use in mines.

The machinery, materials, and effects may be inspected at any time prior to the sale, on application to Samuel Vergook, in charge thereof.

HODGE, HOCKIN, AND MARRACK, Solicitors, Terro, Dated Registrar's Office, Truro, June 19, 1867.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

Stannaries of Cornwall.

In the MATTER of the COMPANIES ACT, 1862, and of the WHEAL CURTIS MINING COMPANY.—TO BE SOLD, under the direction of the Registrar of the said Court, BY PUBLIC AUCTION, on Tuesday, the 2d day of July next, at Eleven o'clock in the forenoon, at the WHEAL CURTIS MINE, in the parish of Crowan, within the said Stannarles, the undermentioned MINING MACHINERY AND MATERIALS, viz.:—ONE 26 in. WINDING ENGINE, with steam capstan, and BOILER, 7 tons. Angle bob, about 200 fms. connection and flat rods, strapping and rod plates, about 5 tons of 5\(^2\) fire whim and other chain, yokes, tram wagons, single, double and treble blocks, dry tube, chain buckets and prongs, flange boits, clacks, wood house, new and old brass and steel, a quantity of cartridges, kibbles, a large new beam for scales, 1\(^1\) barrel of tar. safety fuse, wood air pipes, miners' chests and tools, wood sheds, bucking mills, wood stable and gig house, new and old timber; carpenters' shop and tools, smiths' shop and tools, account house and office furniture, and a variety of other articles and effects in general use in mires. The mine machinery may be inspected on application to Mr. OLIVER, the bailiff in charge thereof. R. HOCKIN, AND MARRACK, solicitors, Travellated Registrar's Office, Truro, 19th June, 1867.

GLAMORGANSHIRE.-VALUABLE COLLIERY.

MR. ROBERT EVANS is instructed by the Mortgagees to SELL, BY AUCTION, at the Angel Hotel, Cardiff, on Wednesday, the 2sth day of June inst., in One Lot, unless previously disposed of by private contract, the VALUABLE COLLIERY, known as

THE VENALLT STEAM COAL COLLIERY

THE VENALLT STEAM COAL COLLIERY,
In full working order, situated at GLYN NEATH, comprising VALUABLE SEAMS of STEAM COAL, IRON ORE, and BLACKBAND. Among the seams in the upper series is included the famous "Resoiven Vein" of steam coal, on the Admiralty List, and extensively worked on the adjoining property. The mineral taking comprises about 439 acres.

All the necessary works, appliances, and buildings have been erected, and very commodious broad and narrow-gange railway sidings, tipping stages, and roads formed, and about twenty cottages are held at moderate rents.

Railway communication from the coiliery to Swansea and the other ports, and to Liverpool and the North, is complete.

The two upper veins have been thoroughly opened by level and slant. At the present time from 100 to 150 tons of coal a day can be raised, which, within six weeks, could be increased to 200 tons. The coal from the Upper Vein has been in use on the Great Western Railway, and is an excellent locomotive engine coal. Particulars and conditions of sailo, with plan, may be obtained of Meess, Tucker and New, Solicitors, 4, King-street, Cheapside, London; and of Mr. ROBERT EVENS, Land Agent and Auctioneer, Bridgend. May be viewed by giving one day's previous notice to Mr. William Evans, Agent, Vena Colliery, Glyn Neath.

COUNTY OF CARMARTHEN. SALE OF IMPORTANT PRESHOLD MINERAL FARMS

R. WILLIAM HARRY REES (successor to the late Mr. Thomas to SELL, BY AUCTION, at the Bush Hotel, Swansea, on Saturday, the 6th day of July, 1867, at Three for Four o'clock in the afternoon, subject to conditions of sale to be then produced, the following

VALUABLE MINERAL ESTATES,

VALUABLE MINERAL ESTATES,

situate within a comparatively short distance of the shipping-port of Lianelly.

Lot 1 comprises TWO FREEHOLD FARMS of GELLY'R ODYN UCHA and
GELLY'R ODYN ISHIA, in the parish of Lianon, containing together 143 acres,
or thereabouts, of pasture and arable land, held by Mr. David Roberts, now aged
76, under a lease for his life, at the very low annual reserved rent of £60. The
dwelling-house and farm-buildings are of the most capacious and substantial
character, and are altogether covered with slate. That this property contains
the valuable veins of this important anthracite district there can be no doubt, as a
fine Three-Feet vein of clean coal, as well as valuable blackband iron ore, have
been proved in two places at the southern boundary of the estate, while at a
distance of a mile and a-balf north-east of the property the celebrated Nine-Feet
vein has for years been worked with great success.

A branch line from the Lianelly Railway into and passing through this property
has been surveyed, and the works will, in all probability, be constructed within a
short period.

short period. The turnpike-road from Carmarthen to Llanelly and Swans this estate.

The turnpixe-road from Carmartaen to Lianeity and Swanses passes through this estate.

Lot 2 comprises the FREEHOLD FARM of GILVACH, situate in the parish of Liandybie, containing 128 acres, or thereabouts, of arable and pasture land, all within a ring fence, held by Mr. William Hughes, for an unexpired term of five years, at the very low annual reserved rent of £50.

The dwelling-house and farm-buildings of this farm also are of the most superior character, being entirely roofed with slate.

From the indications referred to in Lot 1 it is confidently believed that he same coal measures also underlie this property.

Printed particulars, with plans, may be obtained on application to Market.

H. U. and N. CoultrutursT, solicitors, New Inn, London; Joshua Richandkov, Esq., C.E., Neath; or at the offices of the auctioneer, Charlesville-place, Neath.

TO BE SOLD, BY PRIVATE CONTRACT, all that valuable TIN MINE, called WHEAL VLOW, in the parish of PERRANZABULOE, CORNWALL, together with all the MATERIALS thereon. The materials are nearly new, and consist of a 24 in. rotary PUMPING ENGINE, 70 fms. of 8 in. pitwork, 7 and 8 in. rods, stamps of 16 heads, account-house, carpenters' and smiths' shops, dressing-floors, with requisite machinery for dressing 12 tons of tin per month.

wheat Viow is situated in a well-known tin district, adjoining the Old Budnick Mine. The sett is very extensive, traversed by numerous lodes, and large returns have been made, and in the immediate neighbourhood of some of the first tin and silver-lead strata in the county, and is well worthy the notice of mine adventurers.

All particulars may be known on application to Mr. RICHARD COWLING, Roseinvale, Scorrier, Cornwall, by whom offers will be received.

Dated June 19, 1867.

SITHNEY WHEAL METAL, NEAR HELSTON

TOR SALE, BY PUBLIC AUCTION, in One Lot on on Wednesday, June 26th, 1867, at Two o'clock P.M., ONE as ENGINE, double; TWO BOILERS, 10 tons each; 16-head stamps, 46 angle bobs, 170 fms, 67, and 8 in. pumps, 4 plunger poles and botto 67-in. wood rods, plates and bolts, 50 fms, bucket and hanging rod 916-in. chain. poppet bead, shaft tackle and pulleys, 100 fms, tran horse whim, sheds, dressing tools, scales and beam, smiths' shop mand wrought iron, steam and horse whim kibbles, account-house fur The agent on the mine will show the property.—For inform the Mr. Jon. Burgers, the purser, Barnecose Farm, Redruth.—June 19 Mr. Jon. Burgers, the purser, Barnecose Farm, Redruth.—June 19 Mr. Jon. Burgers, the purser, Barnecose Farm, Redruth.—June 19 Mr. Jon. Burgers, the purser, Barnecose Farm, Redruth.—June 19 Mr. Jon.

GLOUCESTERSHIRE.—PRELIMINARY ADVERTISEMENT VALUABLE FREEHOLD ESTATE AND MINERALS.
In the months of August or September next, will be OFFERED R
SALE, BY AUCTION (unless disposed of in the meantime by privaries)

VALUABLE FREEHOLD ESTATE, called "BARR'S COUNTY
tuate in the parish of BITTON, within three and a half miles of the ristol, one mile of the Warmley Station of the Bath and Mangotsfield by the Midland Railway, and two miles of the Keynsham Station of the Railway.

of the Midland Rallway, and two miles of the Keynsham Station of the figures. Western Rallway, the comprises about 350 acres of very rich pasture, order and arable land, is divided into several farms, with good farmhouses and so able farm and outbuildings.

The MINERALS under the estate are leased to very responsible tensis, and now being worked, and may be purchased with the estate or separately, the with about ONE THOUSAND ACRES of MINERALS immediately signs, all forming part of the BRISTOL COAL FIELD.

Plans and particulars, with the report of an eminent mining engineer particular of the Coal and other minerals, may be seen, and further information obtained application to Messrs, G. C. ASHMEAD and SON, Land Agents and Surgents, Small-street, Bristol; or to Messrs. WHITTINGTON and GRIBBLE, Solicite, a Clare-street, Bristol.

TO BLAST-FURNACE PROPRIETORS, AND OTHERS FOR SALE, BY PRIVATE CONTRACT, ONE BLOWN.

FOR SALE, BY PRIVATE CONTRACT, ONE BLOWN.

ENGINE, 8 ft. 4 in. stroke, with cylinder 40 in. diameter, also with his.

ing cylinder 8 ft. diameter and 8 ft. 4 in. stroke, fitted with pump for risks
water from a well, and force-pump for feeding boilers. This engine warms
by Messrs. Alkin and Co., of Glasgow, in 1859, and has only been worked to

years.

Also, ONE HORIZONTAL HOIST ENGINE, 2 ft. 6 in. stroke, and cyll 14 in. diameter, fitted with pinion 16 in. diameter and 8½ in. broad; one pair of drums, 7 it. 6 in. meter, and shaft; two cast-fron pullies, 6 ft. diameter, and one pairs, diameter, with iron arms; together with guides, ropes, and cages, &c.

FOUR SINGLE-TUBE CORNISH BOILERS, each 30 ft, long and the figure of the state of t ONE WROUGHT-IRON WATER TANK, 55 feet long, 30 feet wide, a

2 feet 10 inches deep.

Also, about 160 ft. of AIR TUBING, 5 ft. diameter, made of 3-16ths in, plus EIGHT STOP VALVES, for heating stove plates, and SIX CAST-ROS FL LARS for the same, 9 ft. long and 14 in. diameter; also 142 HEATING STOR PIPES.

EIGHT SLAG BOGIES, SIX FLAT BOGIES, and FOUR SLAG CORRECTED BARROWS, &c.

soveral BARHOWS, &c.

ONE SECOND-HAND six-wheel coupled LOCOMOTIVE and TENDER, where the coupled in cylinder, and 18 in. stroke.

Also, the WORKING APPARATUS of SIXTY COKE OVENS, consisting of 120 cast-iron pullies 14 in. distong 120 cast-iron pullies 14 in. distong 120 wrought-iron spindles 9 ft. long, 154 diameter, 60 cast-iron frames, one significant which for drawing coke ovens, &c. Application to be made to Mr. JOHN DAGLISH, Londonderry Offices, States

POR SALE, and may be seen at the Ashburton Mines, ONE 56 in. PUMPING ENGINE, with TWO 11 ton CORNISH made BOILER ONE 40 in. PUMPING ENGINE, only made a short time, and as good as now with an 11 ton BOILER. A 24 in. WHIM ENGINE, with stamps attached. On 11 ton BOILER. Several WATER-WHEELS of various sizes, one with any excellent drawing machine attached. Pumps and materials of all softs as izes.—Application may be made to Mr. W. MATHEWS, engineer, Taylstex, we an be seen on application to people in charge of the mine.

ROCHSOLES GAS COAL.

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Violating 12,000 cubic feet of gas per ton.

Price, in trucks, Airdie Station, 26s, per ton; and 27s, 6d, f.o.b. Glasper, at Coast of Scotland. For analysis, see, apply to—

ROCHSOLES COLLERY, AIRDRIE.

East Coast of Scotland. For analysis, &c., apply to—
JAMES STRUTHERS.

ROCHSOLES COLLIERY, AIRDRIE.

UTILISATION OF COAL DUST.

BARKER'S PATENTS.

THE LONDON PATENT COAL COMPANY (LIMITED)
having arranged with the patentee for the exclusive right to thee patents
within the United Kingdom, desire to call the attention of coal owner, inmasters, and others, to the value of the invention by which the waste adead
coal can, by a simple and inexpensive process, be rendered available for all to
ordinary uses of the coal from which it is derived.

A series of careful experiments have been made on the Monmouthshire asway with fuel manufactured from the Risca Black Vein Coal (small) is locastives working heavy mineral trains over severe gradients, by which it has be
ascertained that increased duty was obtained from the fuel over the same ost.
The results of these experiments are so satisfactory that Mr. Alex, Basett, Ci.
of Cardiff, has consented to act as the company's representative for gratig
licenses in South Wales, and will be happy to reply to all enquires and great
explanation respecting the trials that have been made under his superitase
ence. Mr. Thomas D. Clare, of Birmingham, has also undertaken to regress
the company in the Midland Counties, and large works are in course of ends
in the Forest of Dean by the company's itensees there.

The company are prepared to grant licenses for the use of their patent, af
from the success which has attended the manufacture act their own work, al
the extraordinary popularity of the fuel for retail purposes amongst the isse
classes, they believe that in every populous town a large and highly profusi
trade may be carried on.

The cost of the ingredients used in the manufacture does not exceed by
ton; they contain no pitch, tar, or other nauseous substance, and the manufacture
does not more repeated to not fuel occupying 38 cubic feet only, as against their
fourth less space (I ton of fuel occupying profuse)

The blocks are available for every purpose of ordinary coal, and

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FRANCE AND BELGIUM.
BARKER'S FUEL PATENTS.

For all information apply by letter to HAMMOND and Son, No. 26, Comb

THE DE LERY GOLD MINING COMPANY.

No. 74, CEDAR STREET, NEW YORK; and No. 46, PETER STREET,

QUEBEC, CANADA.

This company has PURCHASED all the MINERAL RIGHFS on the Seight of RIGAUD-VAUDREUIL, in the Province of QUEBEC, and about June will comment to the Province of QUEBEC, and about June will be shafting and tunnelling the quartz ledges, and by testing the quality of which is the result of the seigniory is 108 quart miles, and the quartz veins are of unusual width and extent, transhing a balf of the profitable employment of large amounts of capital in separate organizations; and as fast as the company's surveys and tests shall show the best locations for new mills, they will furnish maps, and propose liberal terms to paris desiring to develope mines on their own account. Contracts are now being made for the working of Placer Mines, which have already been abenduly proven to be of great richness.
Full information can be obtained at either office of the company, or of the local agent, Mr. Thuman Coman, on the property.

Quebec, May 6, 1867.

J. M. WINCHELL, General Managin.

Price 1s. 6d., by post 1s. 3d.,

OTES ON THE MINES OF THE RIO TINTO DISTRICT:

Containing a DETAILED REPORT upon the MINES and on the MINES
of RENDERING THEM MORE PROFITABLE, as well as an ACCOUNT of the
PROCESS OF TREATING POOR ORES OF COPPER, successfully need there.

By JOSEPH LEET THOMAS, ASSOCIACL. S.E.

London: MINING JOURNAL Office, 26, Fleet-street, E.C.

T

ALLWAY WAGON WORKS, BARNSLEY. ESSES. G. W. AND T. CRAIK are PREPARED TO SUPPLY COAL and COKE WAGONS of EVERY DESCRIPTION, either OAL and COKE WALLES OF THE COURT OF T

NOTICE TO THE CONSUMERS OF THE NUINE SWEDISH DANNEMORA IRON g to announce that I have this day ENTERED into a CONTRACT with % W. JESSOP and SONS, of SHEFFIELD, for the WHOLE ANNUAL E of the above IRON, which, in future, will be stamped

(L) LEUFSTA W. JESSOP AND SONS.

o which I request the special attention of the Trade.

CARL EMANUEL DE GEER, Proprietor.
ista, in Sweden, 29th April, 1867.

ESSRS. W. JESSOP AND SONS, in referring to the above announcement, beg to inform consumers that the genuine

LEUFSTA W. JESSOP AND SONS N can ONLY be OBTAINED from them, and that they are PREPARED to PPLY the TRADE on LIBERAL TERMS.

THE SAME THE

PARK AND BRIGHTSIDE STEELWORKS, SHEFFIELD, April 1867

WILSON FURNACE H E SMOKELESS WITH ECONOMY OF FUEL.

MR. E. B. WILSON, 12, RYDER STREET, ST. JAMES'S, LONDON, S.W. CHARLES J. SPENCER AND CO.,

ENGINEERS AND CONTRACTORS 1, QUEEN STREET PLACE, CANNON STREET, LONDON, E.C. ORIZONTAL ENGINES, of all sizes, suitable for WINDLES and other COLLIERY PURPOSES, kept in stock, and made to origing STHATES and PLANS given for BOILERS, SHAFTING, MACHINERY Sc.

ERBERT AULT, ENGINEER. DRAUGHTSMAN AND PATENTEES' ASSISTANT.

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ALUER OF MACHINERY, IRONWORKS, RAILWAY
and COLLIERY PLANT, and other works; DESIGNER and CONGTORS for every description of RAILWAY and COLLIERY PLANT, CONGTORS' and other LOCOMOTIVES, HOT AIR and HOT WATER APPA-

No. 3 and Comments and Comments and Exercise and Exercise and Exercise assistance given upon a models &c., for patentees, and every other assistance given upon assistance given for taking down and erecting works. to moderate terms.

Her machinery.

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GLAHOLM AND ROBSON, HENDON PATENT ROPERY, SUNDERLAND, ANUFACTURERS of ALL DESCRIPTIONS of STEEL, IRON, and HEMP ROPES for COLLIERIES, SHIPS, &c.

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6 BOWLING WROUGHT-IRON SOLID WELDLESS TYRES, of aby size

AGILLT OIL COMPANY (LIMITED) MANUFACTURERS OF BLACK GREASE

COLLIERY WIRE ROPES, TRAMS, WAGONS, &c., £5 PER TON. TOBCH AND LAMP OIL, 1s. PER GALLON (Casks free). LUBRICATING OIL, 1s. PER GALLON (Casks free).

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REDUCING to a FINE GRANULAR POWDER from 50 to 200 tons a day ording to size) of any UNFIBROUS MATERIALS, whether they be SOFT CLOGGY, like superphosphate, wet clay, &c., or HARD and DRY, like bone coprolites, burnt carthenware, minerals, coal, &c.; also for MIXING

coprolites, burnt carthenware, minerals, coal, &c.; also for allaing coprolites, burnt carthenware, minerals, coal, &c.; also for allaing costs work of the Disintegrators now in use aiready amounts to upsoftwo millions of tons of material pulverised by them in a year, at a total go their users, in labour, power, &c., of above £30,000 per annum. It is no resemblance whatever to any other mill in its peculiar combination and sation of principles, nor yet in its mode of action and unique system of distrating matter, and has been proved to be the most novel, versatile, and ent discovery in mills that has appeared since the invention of the flour. a pwards of thirty-three centuries ago.

Illustrated pamphiet, with full particulars of the above, and a long list of discovery and an analysis of the purchasers, will be forwarded, post free, on application to Patentoe, as below; and a 4-feet machine and model may be seen, at the shibition, British Section, Class 51.

THOMAS CARR, MONTPELIER, BRISTOL.

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il particulars, with testimonials from numerous coal and mineral or be obtained from Mr. E. EDWARDS, C.E., 22, Buckingham-street, Action. O A L C U T T I N G M A C H I N E R Y.—
The WEST ARDSLEY COMPANY having, by recently patented improvetis, perfected their coal cutting machinery, worked by compressed air, are
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addiness.

results of twelve months' experience in the working of these machines, by fest Ardsley Company, have proved most satisfactory, their use being found IEAPEN the COST and IMPROVE the average SIZE of the COAL, to MINE.

mals... communications to be made to Messrs. Firth, Donnisthorpe, and Bower, Britannia-street, Leeds.

OTICE.—The WEST ARDSLEY COMPANY, having reason to believe that their patents are being infringed upon, hereby give notate they will TAKE LEGAL PROCEEDINGS AGAINST ALL PARTIES ONLY MAKE FOR SALE, OF USE ANY MACHINERY in the construction which any such INFRINGEMENT is MADE.

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Messrs. Nicholls, Mathews, and Co. have always a LARGE STOCK of SECOND-HAND MINE MATERIALS in stock, and at moderate prices.

PATENT FLEXIBLE TUBING
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of every description, of the very best quality. Estimates given for the supply of
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ESTABLISHED 1847.
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Passenger carriages and wagons built, either for cash or for payment
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MANUFACTURERS OF RAILWAY CARRIAGES AND WAGONS, WROUGHT and CAST IRON CARRIAGE AND WHEELS, AXLES, HAMMERED USES, AND HEAVY SMITHS WORK FOR FOR FOR SMITHS WORK FOR FARM RAILWAYS, TURNTABLES, CROSSINGS, SWITCHES, &c. AGRICULTURAL MACHINISTS.

MANUFACTURERS OF FIELD, ROAD, AND BARN IMPLEMENTS, PATENT LORBY, CART, AND CARRIAGE WHEELS, with WOOD OF IRON NAVES, REAPING MACHINESS, CORN MILLS, &c. SAW MILL PROPPIETORS. GENERAL TIMBER CONVERTERS FOR home and foreign RAILWAYS, STATIONS, BARRACKS, EXHIBITIONS, &c.

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THE BIRMINGHAM WAGON COMPANY (LIMITED)
MANUFACTURE RAILWAY WAGONS of EVERY DESCRIPTION, fo
HIRE and SALE, by immediate or deferred payments. They have also wagons
for hire capable of carrying 6, 8, and 10 tons, part of which are constructed specially for shipping purposes. Wagons in working order maintained by contract.

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STAFFORDSHIRE WHEEL AND AXLE COMPANY
MANUFACTURERS of RAILWAY CARRIAGE, WAGON, and CONTRACTORS WHEELS and AXLES, and other IRONWORK, used in the CONSTRUCTION of RAILWAY ROLLING STOCK.
OFFICES AND WORKS,
HEATH STREET SOUTH, SPRING HILL, BIRMINGHAM.

NITRO-GLYCERINE, OR NOBEL'S PATENT BLASTING OIL.—The EXPLOSIVE FORCE of this BLASTING OIL is TEN TIMES that of GUNPOWDER, and the ECONOMY and SAVING in TIME, LABOUR, and COST in removing granite and hard rock, in sinking shafts, driving tunnels, and opening forward in close ends is immense.

It will not explode from a spark or fire, but from concussion alone, and is consequently much less dangerous than gunpowder or gun-cotton.

Being heavier than water it sinks to the bottom of a wet hole, no other tamping than water being required.

One charge of this blasting oil, which is now being used with wonderful effect in all the largest size quarries in North Wales, will displace as much slate rock as four or five charges of gunpowder; and its great force, acting on a large quantity of good slate rock, shakes and displaces it at the natural joints, or cracks, without damaging the slabs nearly so much as the more numerous blasts from any other blasting material would do.

This invaluable quarrying agent may now be obtained from Messrs. The and Co., Carnarvon, sole consignees from the patentee.

VULCANISED INDIA-RUBBER

FER SPRINGS for LOCOMOTIVES and RAILWAY TRUCKS, VALVES,

SELET, WASHERS, SUCTION and DELIVERY HOSE, TUBING for

GAS, &c., MACHINE BELTING, ELASTIC STEAM PACKING
in ROPE, SHEET, and RINGS, &c., &c.

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Shar	Alderley Edge, c, Cheshire	10	0 0					. 8	19	8.	0	5 0Ja	n 1987
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1024	Wheal Mary Ann, I, Menheniott	8	0 0.			14 15		61	15	0	0	15 0Ju	ne 1867
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396	Wheal Seton, t, c, Camborne	58	10 0.	122	16	117 120		244	5	0	2	10 0Ju	18 1867
1040	Wheal Trelawny, s-l, Liskeardt	5	17 0.			81/4 91/4		54	14	6	0	4 0Ju	ne 1867
3000	Whitewell Lead, Clitheroes		5 0.					0	10	0	0 1	10 0Jur	1867
17000	Wicklow, c, i, Wicklow		10 0.			211/2		46	15	0	1	0 0Api	11. 1867
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FOREIGN DIVIDEND MINES.

\$600 Cape Copper Mining*†. 100000Don Pedro No. del Rey, Brazil**; 25000 Fortuna, I, Spain*†. 70000 English and Australian, c; 20000 Gen. Mining Assoc., Nova Scotla† 10000 Gonnesa, I,* [5000 £5 pd., 5000 £4] 15000 Inanes, I, Spain*†. 50000 Panulcillo, c*†. 6000 Pesit River Land and Mineral*†. 30000 Pestarena, g*†. 100000 Port Phillip, G. Clunest 1200008cottlsh Australian Mining Co.†. 1000 Stopping Stopp	0 14 0 2 0 0 210 0 20 0 0 3 0 0 210 0 210 0 1 0 0 1 0 0 15 0 0	1 63 pd.j	34 36 34 36 3 3)4 36 1 1 11/6	1 5 4 0 2 0Oct. 1887 1 13 0 0 1 0Feb. 1887 22 0 0 1 0 0June, 1866 7½ per cent. per annum. 11 6 4 0 5 0Jan. 1862 10 per cent Yearly. 0 2 6 0 2 6Ma 1887 4 3 2 1 3 6Dec 1896 0 16 6 0 1 0Jan. 1887 7½ per centMar 1887 77 5 0 4 10 0June 1887 79 5 0 0 1 0Jan. 1868
40000 West Canada Mining Company			::	0 19 6 0 2 6 May, 1866

NON-DIVIDEND FOREIGN MINES.

Shares. Mines.	Paid. Last Pr. Bus. done. Last Call.
25000 Alamillos, I, Spain*+	2 0 0 14 Fully pd.
100000 Anglo-Brazilian, g*†	0 10 0 114 Nov. 1866
19500 Anglo-Italian, g*t	0 50 May 1867
20000 Australian, c. South Australiatt	7 76
40000 Brittany Silver-Lead Mines, France* [15750 18s. pd.]	
2464 Burra Burra, c, South Australia!	5 0 0 311/4
25000 Capula, s. Mexico*t	1 12 0 56 Aug. 1866
20000 Chontales. a. s. Nicaragua*†	4 0 0 4% 4% 4% June 1867
12000 Cobre Copper Company, c, Cubatt	43 10 0 May 1867
10000 Copiano Mining Company, Chilit	16 10 0
10000 Coplano Smelting, Chili*	10 0 0 April 1960
300 Copper Miners' Co. of South Australia [150 £100 pd.	, 150 £70 pd.] Nov. 1866
25000 East del Rey, g. Brazil*†	2 15 0 June 1900
15000 El Chico Silver Mining and Reduction Company	5 0 0Nov. 1866
8000 English and Canadian Mining Company*	5 0 0Fully pd.
40000 Fortune Copper Mining Co. of Western Australia	2 0 0 Fully pd.
50000 Frontino and Bolivia, g. New Granada* +	1 15 0 % 11s. 13sJune 1867
10000 Great Barrier Land, Mining, &c., New Zealand	5 0 0 Fully pd.
\$6000 Great Northern, c, South Australiat	1 11 6 Sept. 1862
68000 Kapunda Mining Co., Australiatt	1 00
7927 Lusitanian (Portugal) †	8 00
83090 Mariguita	0 12 6Jan. 1867
12500 Nerbudda Coal and Iron* [6000 £5 pd., 6500 £4 pd.]	71/4 Aug. 1865
51000 New Quebrada, c, Venezuela*†	3 10 0 15%
50000 Nova Scotia Land and Gold	1 15 0 Sept. 1865
15000 Otea, c, New Zealand	2 0 0Fully pd.
10178 Rhenish Consolidated, l [6000 £5 pd., 4178 £2 10s. pd.]	
50000 Rossa Grande, g, Brazil*	0 10 0 58 Mar. 1867
15000 San Pedro del Monte, s, Mexico*	4 0 0 Sept. 1866
10000 San Roque, l, Spain	5 0 0 Fully nd
	28 5 0 214 1% 2
10000 Vancouver, cl*+f	6 00
6000 Val Sassam, s. c, l*t	6 10 0Jan. 1867
45000 Victor Emanuel, c, Italy*	1 0 0Fully pd.
20000 Washoe, gt	o 00 Fully nd
80000 Worthing, c, South Australia *	1 00Fully pd.
75000 Yorke Peninsula, South Australia	1 0 0 Fully pd.
45000 Yudanamutana, c, S. A.*†‡	3 0 0 114 1 11/6 Fully pd.

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	DANKS	AND	LIMANUIAL		U	M 1	AN	11	ES.		
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20000	Bank of Victoria, Austra	Uat		25	0 0		38		38 4	0	**
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5000	Midland*†		*************	20 0	0 (191		19 19	16	
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PROGRESSIVE	MINES.

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- *. Companies marked thus * have been incorporated with Limited Liability; those marked † have been admitted on the Stock those marked thus ‡ have paid Dividends.
- *.* Our object being to make the Share List correct, we earnestly call upon those who have the power to aid us, by forwardies thous or correction which may, from time to time, come under their notice. To shareholders, as well as those officially contained the mines, we appeal for information. Reports from mines—in fact, mining intelligence of every description, forwarded will meet with ready attention.

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where all communications are requested to be addressed.—June 22, 1867.